SHARP

SERVICE MANUAL/SERVICE-ANLEITUNG/MANUEL DE SERVICE

S94B6GF-800HD

GF-800H(D)(S)
GF-800E(D)

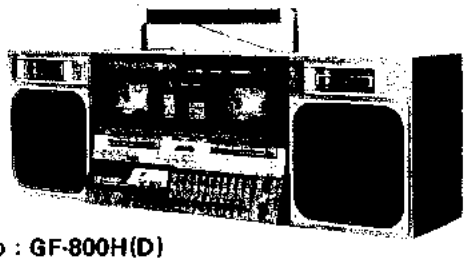


Photo : GF-800H(D)

DOLBY SYSTEM ®

- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- Geräuschunterdrückungssystem unter Lizenz von Dolby Laboratories Licensing Corporaton hergestellt. Das Wort "Dolby" und das Symbol des doppelten D sind die Warenzeichen von Dolby Laboratories Licensing Corporation.
- Réducteur de bruits Dolby: Circuit fabriqué sous licence des Dolby Laboratories Licensing Corporation. Le mot "Dolby" et le symbole double D sont des marques déposées des Dolby Laboratories Licensing Corporation.

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.
- Im Interesse der Benutzer-Sicherheit sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.
- Dans l'intérêt de la sécurité de l'utilisateur, l'appareil devra être reconstitué dans sa condition première et seules des pièces identiques à celles spécifiées, doivent être utilisées.

Note for users in UK
Recording and playback of any material may require consent which SHARP is unable to give. Please refer particularly to the provisions of Copyright Act 1956, the Dramatic and Musical Performers Protection Act 1958, the Performers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

INDEX TO CONTENTS

Ⓔ

INHALTSVERZEICHNIS

Ⓓ

TABLE DES MATIÈRES

Ⓕ

SHARP CORPORATION

Ⓔ

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

GENERAL

Power source:	AC 110 V – 120 V and 220 V – 240 V, 50/60 Hz, DC 15 V (UM/SUM-1 or R20 type x 10, or external 15 V DC)
Output power: (DIN 45 324) (H MODEL)	MPO; 30 W (15 W + 15 W) (AC operation) RMS; 26 W (13 W + 13 W) (DC operation)
Output power: (H MODEL for Saudi Arabia	MPO; 40 W (20 W + 20 W) (AC operation) RMS; 26 W (13 W + 13 W) (DC operation) (DIN 45 324) PMPO; 52 W (26 W + 26 W) (AC operation)
Output power: (E MODEL)	MPO; 40 W (20 W + 20 W) (AC operation) RMS; 26 W (13 W + 13 W) (DC operation, 10% distortion)
Semiconductors:	19 ICs 49 Transistors 50 Diodes 21 LEDs
Dimensions:	Width; 680 mm (26-13/16") Height; 225 mm (8-7/8") Depth; 180 mm (7-1/16")
Weight:	8.8 kg (19.4 lbs.) without batteries

TAPE RECORDER

Tape:	Compact cassette tape
Frequency response:	30 Hz – 14,000 Hz (normal tape) 30 Hz – 16,000 Hz (CrO_2 tape) 30 Hz – 17,000 Hz (metal tape)
Signal/noise ratio:	55 dB (Deck 1, Playback) 60 dB (Deck 2, recording with Dolby NR on)
Input sensitivity and impedance:	External mic; 600 ohms Phono/line in; 50 kohms/50 kohms
Output level and loaded impedance:	Headphones; 8 ohms – 32 ohms External speakers; 8 ohms – 16 ohms Line out; 0.6 V/50 kohms

RADIO

Frequency range:	LW; 150 kHz – 285 kHz MW; 526.5 kHz – 1,606.5 kHz SW; 5.95 MHz – 18.0 MHz FM; 87.6 MHz – 108 MHz

SPEAKERS

Speakers:	16 cm (6-1/2") free-edge woofer x 2 5 cm tweeter x 2
Impedance:	8 ohms
Input:	26 W (maximum)

Specifications for this model are subject to change without prior notice.

Ⓓ

EINE VOLLSTÄNDIGE BESCHREIBUNG DER BEDIENUNG DIESES GERÄTES IST IN DER BEDIENUNGSANLEITUNG ENTHALTEN.

TECHNISCHE DATEN

ALLGEMEINES

Spannungsversorgung:	Wechselspannung 110 V – 120 V und 220 V – 240 V, 50/60 Hz Gleichspannung 15 V (10 Batt. Typ UM/SUM-1 oder R20 bzw. ext. Gleichpannugsversorgung 15 V)
Ausgangsleistung: (DIN 45 324)	30 W Musikausgangsleistung (15 W pro Kanal) (Netzspannungsbetrieb) 26 W Sinusleistung (13 W pro Kanal) (Gleichspannungsbetrieb)
Halbleiter:	19 ICs 49 Transistoren 50 Dioden 21 LEDs
Abmessungen:	Breite; 680 mm Höhe; 225 mm Tiefe; 180 mm
Gewicht:	8,8 kg ohne Batterien

CASSETTENRECORDER

Band:	Kompaktcassette
Frequenzgang:	30 Hz – 14 kHz (Normalband) 30 Hz – 16 kHz (CrO_2-Band) 30 Hz – 17 kHz (Reineisenband)
Geräuschspannugsabstand:	55 dB (Deck 1, Wiedergabe) 60 dB (Deck 2, Aufnahme, Dolby NR ein)
Eingangsempfindlichkeit und Impedanz:	Ext. Mikrofon; 600 Ohms Photo/Direkteingang; 50 kOhms/50 kOhms
Ausgangsspannung und Lastimpedanz:	Kopfhörer; 8 Ohms – 32 Ohms Außenlautsprecher; 8 Ohms – 16 Ohms Direktausgang; 0,6 V/50 kOhms

RADIO

Frequenzbereiche:	LW;	150 kHz – 285 kHz
	MW;	526,5 kHz – 1 606,5 kHz
	KW;	5,95 MHz – 18,0 MHz
	UKW;	87,6 MHz – 108 MHz

LAUTSPRECHER

Lautsprecher:	2 x 16 cm Freikanten-Tieftöher 2 x 5 cm- Hochtöner
Impedanz:	8 Ohm
Eingang:	26 W (maximum)

Die technischen Daten für dieses Modell können ohne vorherige Ankündigung Änderungen unterworfen sein.

Ⓕ

POUR LA DESCRIPTION COMPLÈTE DU FONCTIONNEMENT DE CET APPAREIL, SE REPORTER AU MODE D'EMPLOI.

CARACTÉRISTIQUES

GENERALITES

Alimentation:	CA 110 V à 120 V et 220 V à 240 V, 50/60 Hz CC 15 V (format UM/SUM-1, ou R20 x 10, ou 15 V CC externe)
Puissance de sortie: (DIN 45 324)	Musicale; 30 W (15 W + 15 W) (opération CA) Efficace; 26 W (13 W + 13 W) (opération CC)
Semi-conducteurs:	19 CI 49 transistors 50 diodes 21 LED
Dimensions:	Largeur: 680 mm Hauteur; 225 mm Profondeur; 180 mm
Poids:	8,8 kg sans piles

MAGNETOPHONE

Bande:	Bande cassette compacte
Réponse en fréquence:	30 Hz à 14 000 Hz (bande normale) 30 Hz à 16 000 Hz (bande CrO_2) 30 Hz à 17 000 Hz (bande métallique)
Rapport signal/bruit:	55 dB (Platine 1, lecture) 60 dB (Platine 2, enregistrement, Dolby NR allumé)
Sensibilité et impédance d'entrée:	Micro ext; 600 ohms Entrée phone/ligne; 50 kohms/50 kohms
Niveau de sortie et impédance de charge:	Casque; 8 ohms à 32 ohms Enceinte externe; 8 ohms à 16 ohms Sortie de ligne; 0,6 V/50 kohms

RADIO

Gamme de fréquences:	GO;	150 kHz à 285 kHz
	PO;	526,5 kHz à 1 606,5 kHz
	OC;	5,95 MHz à 18,0 MHz
	FM;	87,6 MHz à 108 MHz

ENCEINTES

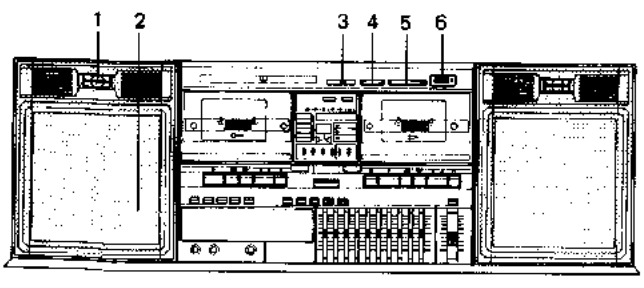
Haut-parleurs:	Woofer à bord liber de 10 cm x 2 Tweeter de 5 cm x 2
Impédance:	8 ohms
Entrée:	26 W (maximum)

Les caractéristiques de ce modèle sont sujettes à modification sans préavis.

Ⓔ

NAMES OF PARTS

1. Tweeter
2. Woofer
3. Band Selector
4. Fine Tuning Control
5. Tuning Control
6. Tape Counter and Reset Button
7. APPS End-Pause Indicator
8. APLD/APPS Programme Set Indicators
9. APLD/APPS Clear Button
10. APLD/APPS Set Button
11. Record Indicator
12. FM Stereo Indicator
13. Dolby NR Indicator
14. Level Meter
15. Power Indicator
16. Deck 1: Play Button
17. Deck 1: Rewind/Reverse APLD Button
18. Deck 1: Fast Forward/Forward APLD Button
19. Deck 1: Stop/Eject Button
20. Deck 1: Pause Button
21. Dubbing Start Button
22. Deck 2: Record Button
23. Deck 2: Play Button
24. Deck 2: Rewind/Review Button
25. Deck 2: Fast Forward/Cue Button
26. Deck 2: Stop/Eject Button
27. Deck 2: Pause Button
28. Power Switch
29. Dolby NR Switch
30. FM Mode Switch
31. Function Selector
32. Dubbing Speed Button
33. Playback Mode Selector
34. Deck 2: Tape Selector
35. Deck 1: Tape Selector
36. Graphic Equalizer Controls
37. Left Channel Volume Control
38. Right Channel Volume Control
39. Headphones Socket
40. Right Microphone Socket
41. Left Microphone Socket
42. Speaker Release Knob
43. FM/SW Rod Antenna
44. External DC Power Supply Socket
45. AC Power Supply Socket
46. Speaker Lead Holder
47. Earth Terminal
48. Phono/Line Input Sockets
49. Input Selector
50. Line Output Sockets
51. Battery Compartment
52. Beat Cancel Switch
53. External Speaker Sockets



GF-800E(D)

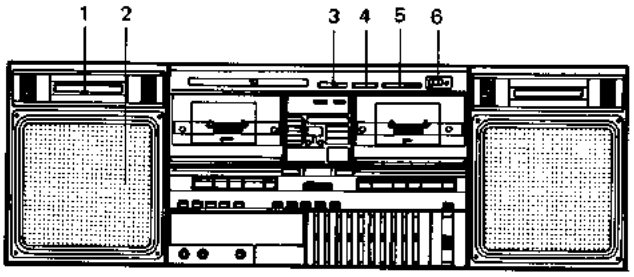


Figure 4–1 GF-800H(D/S)

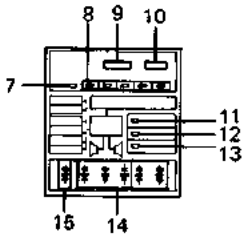


Figure 4–2

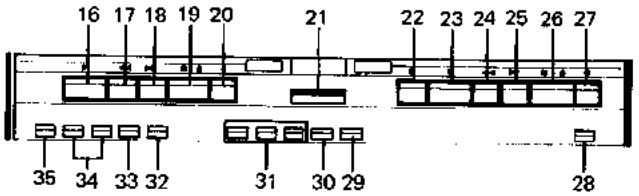


Figure 4–3

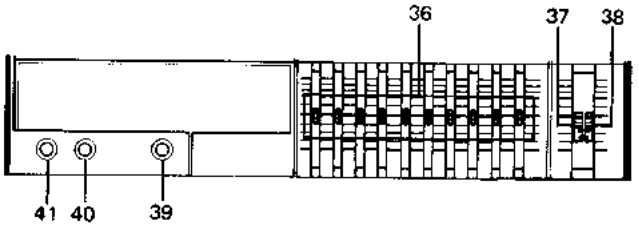


Figure 4–4

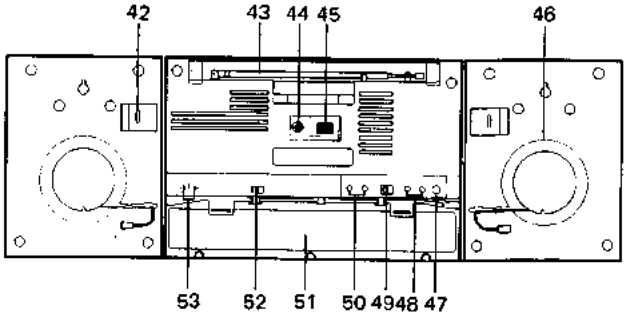


Figure 4–5

Ⓓ BEZEICHNUNG DER TEILE

1. Hochtöner
2. Tieftöner
3. Wellenbereichswahlschalter
4. Feinabstimmsteller
5. Abstimmsteller
6. Bandzählwerk und Rückstelltaste
7. APPS-Ende-Pausenanzeige
8. APLD/APPS-Programmeinstell-Anzeigen
9. APLD/APPS-Löschtaste
10. APLD/APPS-Einstelltaste
11. Aufnahmeanzeige
12. UKW-STEREO-Anzeige
13. Dolby-Rauschunterdrückungs-Anzeige
14. Pegelanzeige
15. Spannungsversorgungs-Anzeige
16. Wiedergabetaste
17. Rückspul-/Rückwärts-APLD-Taste
18. Schnellvorlauf-/Vorwärts-APLD-Taste
17. Stopp-/Auswurf-Taste
20. Pausentaste
21. Überspielstarttaste
22. Aufnahmetaste
23. Wiedergabetaste
24. Rückspul-/Rückwärts-Suchlauf-Taste
25. Taste für Schnellvorlauf/Vorwärtssuchlauf
26. Stopp-/Auswurf-Taste
27. Pausentaste
28. Netzschalter
29. Dolby-Rauschunterdrückungs-Schalter
30. UKW-Betriebsartenschalter
31. Funktionswahltasten
32. Überspielgeschwindigkeitstaste
33. Wiedergabebetriebsarten-Wahlschalter
34. Bandsortenwahlschalter
35. Bandsortenwahlschalter
36. Graphic Equalizer-Steller
37. Lautstärkesteller für den linken Kanal
38. Lautstärkesteller für den rechten Kanal
39. Kopfhörerbuchse
40. Buchse für rechtes Mikrofon
41. Buchse für linkes Mikrofon
42. Lautsprecherentriegelungsknopf
43. UKW/KW Teleskopstabantenne
44. Außengleichspannungsbuchse
45. Netzspannungseingangsbuchse
46. Lautsprecherkabelhalter
47. Erdklemme
48. Plattenspieler-/Direkteingangsbuchsen
49. Eingangswahlschalter
50. Ausgangsbuchsen
51. Batteriefach
52. Schwebungsunterdrückungsschalter
53. Außenlautsprecherbuchsen

Ⓕ NOMENCLATURE

1. Tweeter
2. Woofer
3. Sélecteur de gammes d'ondes
4. Commande d'accord fin
5. Commande d'accord
6. Compteur de bande at bouton de remise à zéro
7. Témoin de pause-fin APPS
8. Témoins de réglage des programmes APLD/APPS
9. Bouton d'effacement APLD/APPS
10. Bouton de réglage APLD/APPS
11. Témoin d'enregistrement
12. Témoin de FM Stéréo
13. Témoin Dolby NR
14. Compteur de niveau
15. Témoin d'alimentation
16. Bouton de lecture
17. Bouton de rebobinage/APLD d'inversion
18. Bouton d'avance rapide/APLD d'avance
19. Bouton d'arrêt/éjection
20. Bouton de pause
21. Bouton de démarrage de copie
22. Bouton d'enregistrement
23. Bouton de lecture
24. Bouton de rebobinage/revue
25. Bouton d'avance rapide/repérage
26. Bouton d'arrêt/éjection
27. Bouton de pause
28. Commutateur d'alimentation
29. Commutateur Dolby NR
30. Commutateur de mode FM
31. Bouton de sélection
32. Bouton de vitesse de copie
33. Sélecteur de mode de lecture
34. Sélecteur de bande
35. Sélecteur de bande
36. Commandes d'égaliseur graphique
37. Commande de volume du canal gauche
38. Commande de volume du canal droit
39. Douille de casque
40. Douille du microphone droit
41. Douille du microphone gauche
42. Bouton de libération de l'enceinte
43. Antenne-tige télescopiques
44. Douille d'alimentation CC extérieure
45. Douille d'alimentation CA
46. Support du fil d'enceinte
47. Borne de terre
48. Douilles d'entrée phone/ligne
49. Sélecteur d'entrée
50. Douilles de sortie de ligne
51. Compartiment de piles
52. Commutateur de suppression de battement
53. Douilles d'enceinte extérieure

Ⓔ

DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:

1. Take cassette tape out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit and remove the batteries from the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front panel	1. Battery compartment lid . . . . . (A)x1 2. Screw . . . . . (B)x8	6–1
2	Mechanism block (*1)	1. "E" Ring . . . . . (C)x2 2. Dubbing start lever . . . . . (D)x1 3. Tape counter drive belt . . . . . (E)x1 4. Screw . . . . . (F)x7 5. Socket . . . . . (G)x4	6–2
3	Tuner Frame	1. Socket . . . . . (H)x3	6–3
4	Audio P. W. Board (*2)	1. Screw . . . . . (I)x12 2. Socket . . . . . (J)x1	6–4

NOTE:
*1. After taking out the Deck 1 mechanism from the main unit, take the Deck 2 mechanism off.

*2. Each P.W.B. should be removed until the parts to be exchanged can be removed when servicing. If the parts to be exchanged are in the exchangeable condition, the rest of P.W.Bs need not to be removed.

SPEAKER

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front panel	1. Screw . . . . . (A)x6	6–5

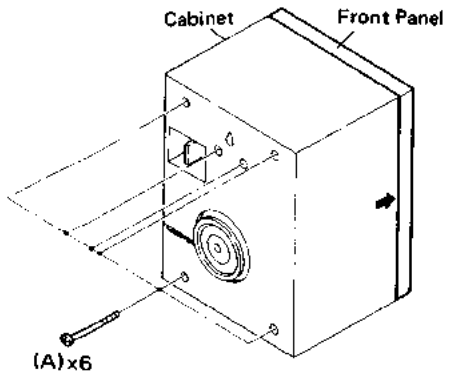


Figure 6–5

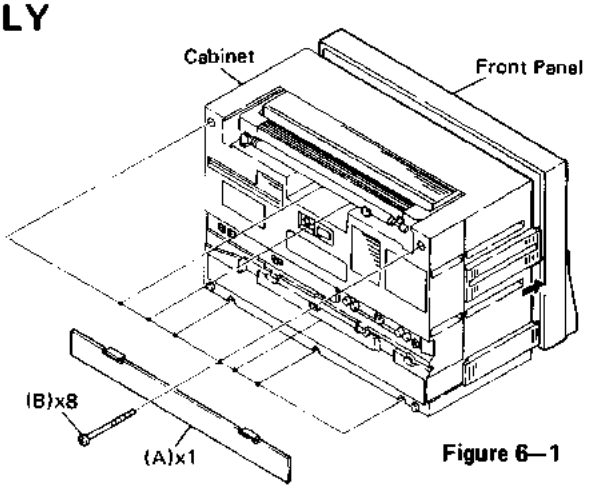


Figure 6–1

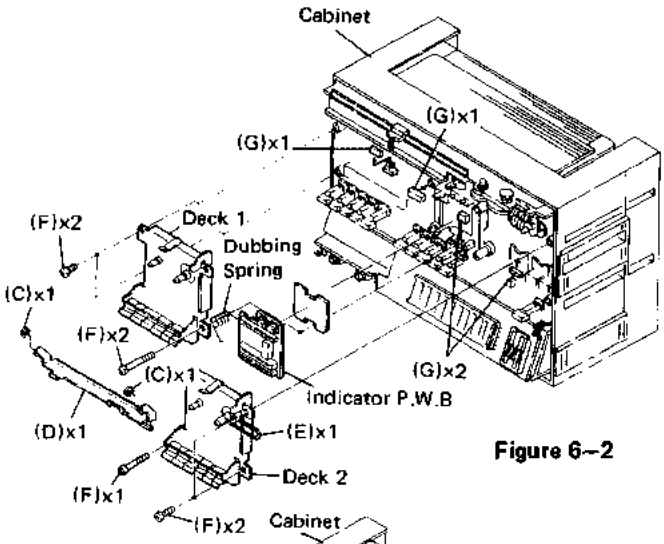


Figure 6–2

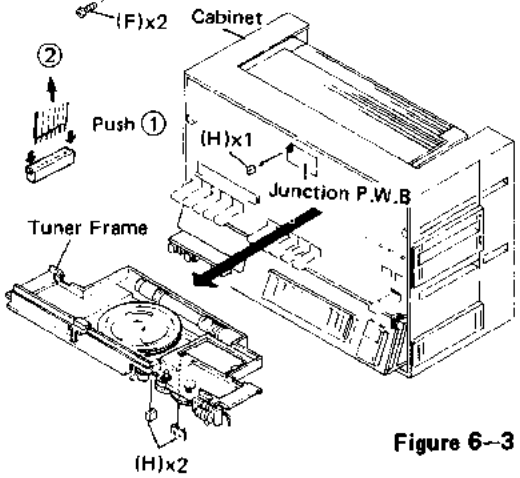


Figure 6–3

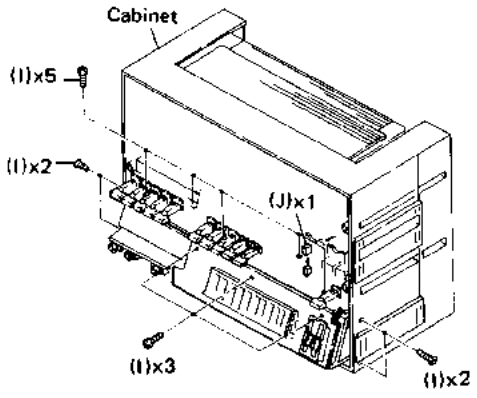


Figure 6–4

Ⓓ ZERLEGEN

Vorsichtsmassregeln Für Das Zerlegen
Beim Zerlegen und Zusammenbauen des Gerätes die folgenden Anweisungen befolgen, um dessen Betriebssicherheit und ausgezeichnete Leistung aufrechtzuerhalten.

1. Die Cassette aus dem Gerät entfernen.
2. Bevor mit dem Zerlegen des Gerätes begonnen wird, unbedingt den Netzkabelstecker aus der Netzsteckdose ziehen und die Batterien aus dem Gerät entfernen.
3. Nylonbänder oder Leitungshalter entfernen, falls dies beim Zerlegen des Gerätes erforderlich ist. Nach Warten des Gerätes darauf achten, die Leitungen wieder so zu verlegen, wie sie vor den Zerlegen angeordnet waren.
4. Beim Ausführen von Wartungsarbeiten auf statische Elektrizität der integrierten Schaltkreise und anderen Schaltungen achten.

SCHRITT	ENTFERNEN	VERFAHREN	ABBILDUNG
1	Frontplatte	1. Batteriefachdeckel . . . . . (A)x1 2. Schraube . . . . . (B)x8	6–1
2	Laufwerkblock (*1)	1. "E"-Ring . . . . . (C)x2 2. Überspielstarthebel . . . . . (D)x1 3. Bandzählwerk-Antriebsriemen . . . (E)x1 4. Schraube . . . . . (F)x7 5. Buchse . . . . . (G)x4	6–2
3	Tunerrahmen	1. Buchse . . . . . (H)x3	6–3
4	Ton-Leiterplatte (*2)	1. Schraube . . . . . (I)x12 2. Buchse . . . . . (J)x1	6–4

ZUR BEACHTUNG:
*1. Nach Herausnehmen des Bandlaufwerks 1 aus dem Hauptgerät das Bandlaufwerk 2 entfernen.

*2. Die einzelnen Leiterplatten sollten entfernt werden, bis die zu auswechselnden Teile bei der Wartung entfernt werden können. Wenn die zu auswechselnden Teile in auswechselbarem Zustand sind, ist es nicht erforderlich, die restlichen Leiterplatten zu entfernen.

LAUTSPRECHER

SCHRITT	ENTFERNEN	VERFAHREN	ABBILDUNG
1.	Frontplatte	1. Schraube . . . . . (A)x6	6–5

Ⓕ DÉMONTAGE

Précautions pour le démontage
Lors du démontage de l'appareil et de son remontage, suivre les précautions ci-dessous, pour maintenir la sécurité et d'excellentes performances.

1. Déposer la bande cassette de l'appareil.
2. S'assurer de retirer la fiche d'alimentation secteur de la prise murale avant de démarrer le démontage de l'appareil et déposer les piles de l'appareil.
3. Déposer les bandes de nylon ou les serre-câbles si nécessaire lors du démontage de l'appareil. Après la réparation de l'appareil, s'assurer de redisposer les fils tel qu'ils étaient avant le démontage.
4. Faire attention à l'électricité statique des circuits intégrés et des autres circuits lors de la réparation.

ÉTAPE	DÉPOSE	PROCÉDÉ	FIGURE
1	Panneau avant	1. Abattant du compartiment des piles . . . . (A)x1 2. Vis . . . . . (B)x8	6–1
2	Bloc du mécanisme (*1)	1. Bague en E . . . . . (C)x2 2. Levier de démarrage de copie . . . . . (D)x1 3. Courroie d'entraînement du compteur de bande . . . . . (E)x1 4. Vis . . . . . (F)x7 5. Douille . . . . . (G)x4	6–2
3	Châssis du tuner	1. Douille . . . . . (H)x3	6–3
4	PMI audio (*2)	1. Vis . . . . . (I)x12 2. Douille . . . . . (J)x1	6–4

NOTE:
*1. Après la dépose du mécanisme de la platine 1 de l'appareil principal, déposer le mécanisme de de la platine 2.

*2. Chaque P.M.I. doit être déposée jusqu' à l'échange de pièces de P.M.I. Si l'échange de pièces est possible, on n'a pas besoin de déposer les autres P.M.I.

HAUT-PARLEUR

ÉTAPE	DÉPOSE	PROCÉDÉ	FIGURE
1	Panneau avant	1. Vis . . . . . (A)x6	6–5

Ⓔ STRINGING OF DIAL CORD

1. Turn the drum fully in the direction Ⓐ shown in Fig. 8–1 and stretch its cord over the parts in the numerical order.
2. Then turn the tuning control shaft fully in the direction Ⓑ shown in Fig. 8–1 and fix its pointer as shown in Fig. 8–1.

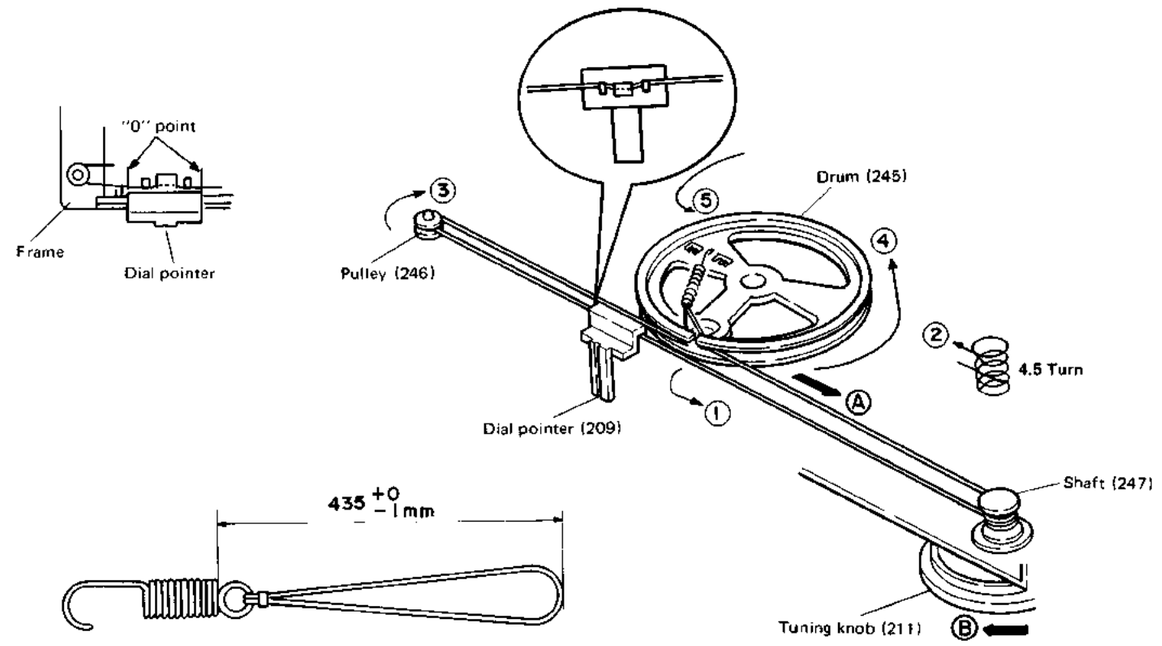


Figure 8–1

Ⓓ SPNNEN DER SKALENSCHNUR

1. Die Trommel gemäß Abb. 8–1 bis zum Anschlag in Richtung Ⓐ drehen, dann die Schnur in der numerischen Reihenfolge über die einzelnen Teile spannen.
2. Die Abstimmstellerachse gemäß Abb. 8–1 bis zum Anschlag in Richtung Ⓑ drehen, dann den Zeiger gemäß Abb. 8–1 befestigen.

Ⓕ PASSAGE DU CORDON DU CADRAN

1. Tourner le tambour entièrement dans le sens Ⓐ montré sur la Fig. 8–1 et passer le cordon sur les organes indiqués et dans l'ordre numérique.
2. Tourner l'arbre de commande d'accord entièrement dans le sens Ⓑ montré sur la Fig. 8–1 et fixer son index comme le montre la Fig. 8–1.

Ⓔ VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows: Slide the AC power supply socket cover by slightly loosing the screw to the visible indication of the side of your local voltage.

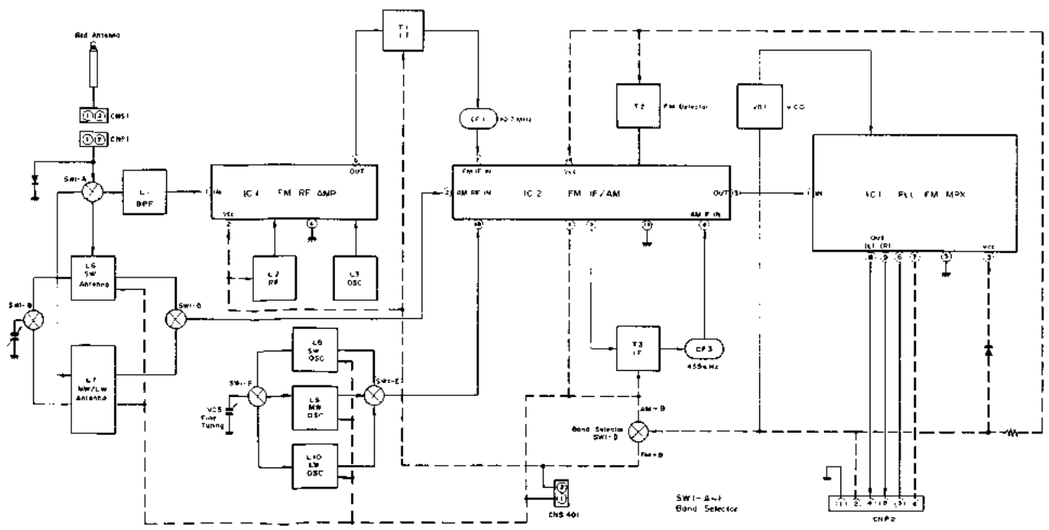
Ⓓ SPANNUNGSWAHL

Vor Betrieb dieses Gerätes üder Netzspannung muß die Spannungsvoreinstellung des Spannungswählers überprüft-werden. Sollte die Einstellung des Spannungswählers nichtmit der örtlichen Netzspannung übereinstimmen, diesen auf folgende Weise einstellen. Durch Lösen der Schrauben der Netzzuleitungsbuchsenabdeckung wird die Abdeckung auf die Spannungszahl der örtlichen Netzspannung geschoben.

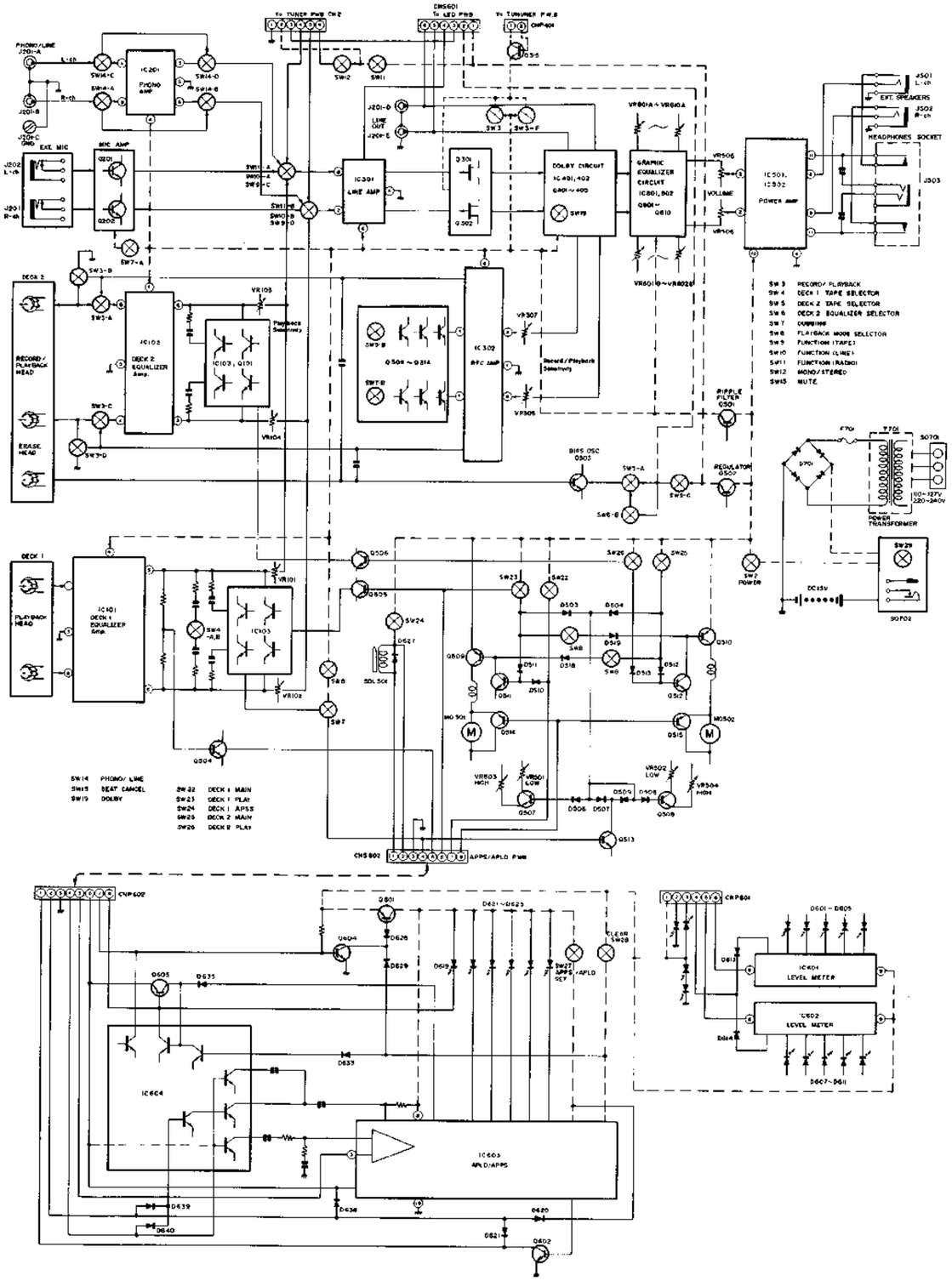
Ⓕ SÉLECTION DE LA TENSION

Avant de brancher l'appareil sur l'alimentation de secteur, Vérifier la tension préréglée. Si la tension diffère de la tension locale, régler la tension de la facon suivante: faire glisser le couvercle de la douille d'alimentation de secteur, en desserrant un peu la vis, vers l'indication visible du côté de l'alimentation locale.

BLOCK DIAGRAM (TUNER)



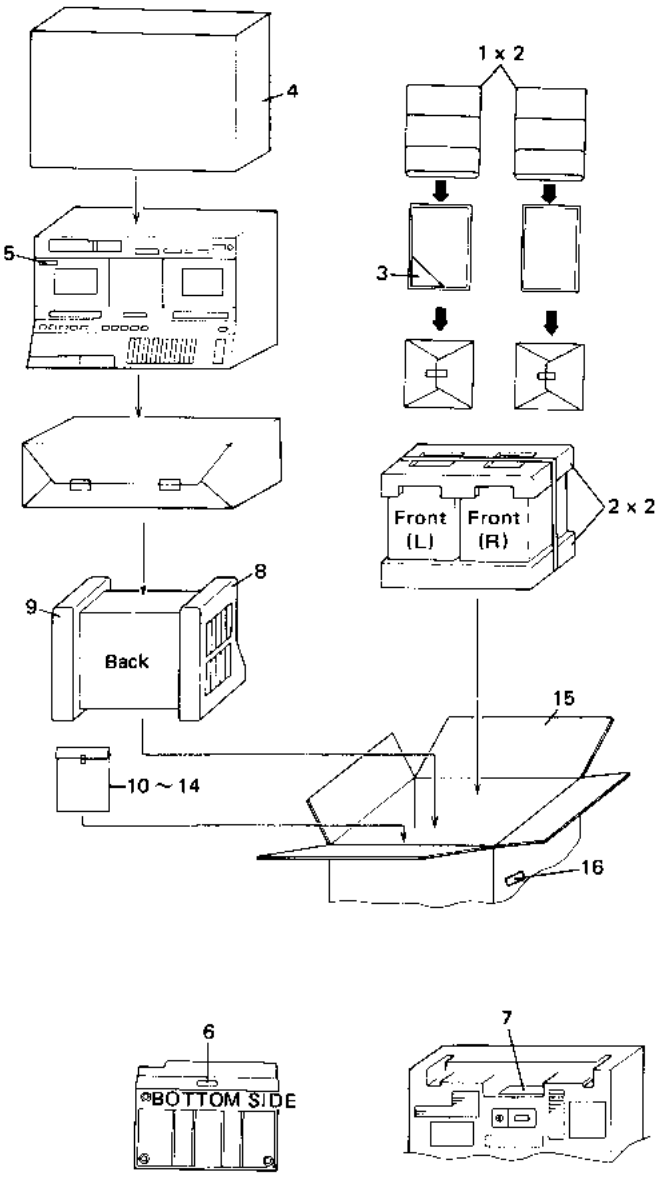
BLOCK DIAGRAM (AUDIO)



PACKING METHOD (FOR UK)

SETTING POSITIONS OF SWITCHS AND KNOB	
Band Selector	MW
Tape Counter	000
Deck 1 Tape Selector	NORMAL
Deck 2 Tape Selector	NORMAL/OFF
Playback Mode Selector	1 or 2
Dubbing Speed Button	NORMAL
Function Selector	TAPE
FM Mode Switch	STEREO
Dolby NR Switch	OFF
Mechanism	STOP
Graphic Equalizer Controls	CENTER
Volume Controls	MIN
Power Switch	⏻
Voltage Selector	220 – 240 V
Beat Cancel Switch	A
Input Selector	LINE IN

1.	Polyethylene Bag, Speaker	SPAKP0536AFZZ
2.	Packing Add, Speaker	SPAKA1256AFZZ
3.	Label, Characterization	TLABZ0626AFZZ
4.	Polyethylene Bag, Unit	SPAKP0413AFZZ
5.	Label, Made in Japan	TLABJ0006AFZZ
6.	Label, APSS	TLABT0053AFZZ
7.	Caution Label, High Speed	TCAUH0350AFZZ
8.	Packing Add, Left	SPAKA1258AFZZ
9.	Packing Add, Right	SPAKA1259AFZZ
10.	Polyethylene Bag, Operation Manual	SSAKA0104AFZZ
11.	Power Supply Cord	QACCB0057AF09
12.	Caution Label, Power Supply Cord	TCAUH0056AGZZ
13.	Warranty Card	TGANE1117AFZZ
14.	Operation Manual	TiNSE1026AFZZ
15.	Packing Case	SPAKC3234AFZZ
16.	Caution Label, High Speed	TCAUH0352AFZZ



Ⓔ

MECHANICAL ADJUSTMENT

ITEM	JIG	ADJUSTMENT POINTS	REMARKS (CHECK)
Driving power	Tape tension measuring cassette TW-2412		More than 150 g
Torque	Torque meter Play TW-2111 Fast-forward TW-2231 Rewind TW-2231		(Play: 30-60 g-cm) (Fast-forward: 80—140 g-cm) (Rewind: 80—140 g-cm)
Azimuth	Test tape MTT-114	Azimuth adjusting screw	Sine waveform attains the maximum.
Tape speed	Test tape High speed MTT-118 Normal speed MTT-111	High speed Deck 1: VR503 Deck 2: VR504 Normal speed Deck 1: VR501 Deck 2: VR502 *Short TP501 and ground when performing the high speed adjustment.	High speed Deck 1: 1980 ± 10 Hz Deck 2: within −10 Hz different from that of Deck 1 Normal speed Deck 1: 2,970 ± 15 Hz Deck 2: within −15 Hz different from that of Deck 1 *Perform the high speed adjustment first and then the adjustment.

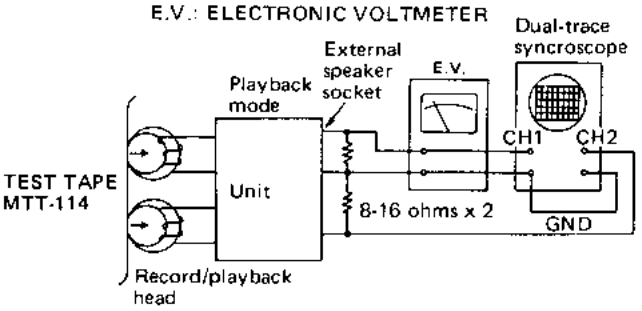


Figure 12–1 AZIMUTH

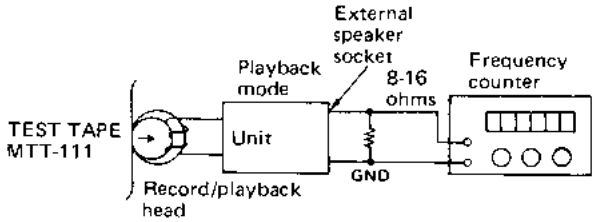


Figure 12–2 TAPE SPEED

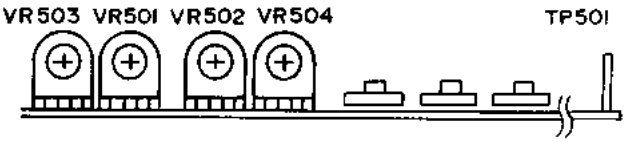


Figure 12–3 ADJUSTMENT POINTS

TEST TAPES FOR MEASUREMENT

COMPACT CASSETTE TYPE

TITLE	MODEL	FREQUENCY/ LEVEL	APPLICATION
FLUTTER	MTT-111	3 kHz, −10 dB	Tape speed, Wow and flutter check
AZIMUTH	MTT-113 MTT-113C MTT-114	6.3 kHz, −10 dB 8 kHz, −10 dB 10 kHz, −10 dB	Head azimuth adjustment
DISTORTION	MTT-118	1 kHz, −10 dB	Distortion check level adjustment
DOLBY LEVEL CALIBRATION	MTT-150	Dolby B-Type Tone 200 nwb/m	Dolby NR B-type level adjustment
BLANK	MTT-502		Record frequency check

Ⓓ MECHANISCHE EINSTELLUNG

BE-NENNUNG	FÜHRUNGS-LEHRE	EINSTELL-PUNKT	BEMERKUNGEN (PRÜFUNG)
Antriebs-kraft	Bandzug-Meßcassette TW-2412		Mehr als 150 g
Drehmo-ment	Drehmoment-messer Weidergabe: TW-2111 Schnell-vorlauf: TW-2231 Rückspulung: TW-2231		(Wiedergabe: 30 – 60 g-cm) (Schnellvorlauf: 80 – 140 g-cm) (Rückspulung: 80 – 140 g-cm)
Azimut	Testband MTT-114	Azimuteinstell-schraube	Sinuswellenform wird maximal.
Bandge-schwindig-keit	Testband Hohe Geschwindig-keit MTT-118 Normale Ge-schwindigkeit MTT-111	Hohe Geschwindigkeit Deck 1: VR503 Deck 2: VR504 Normal Geschwindigkeit Deck 1: VR501 Deck 2: VR502 * Bei der Ein-stellung der hohen Geschwindig-keit TP501 und Erde kurzschließen.	Hohe Geschwindig-keit Deck 1: 1 980 ±10 Hz Deck 2: Bis zu −10 Hz Unterschied gegenüber Deck 1 Normal Geschwindigkeit Deck 1: 2 970 ± 15 Hz Deck 2: Bis zu −15 Hz Unterschied gegenüber Deck 1 * Zuerst die hohe, dann die normale Geschwindigkeit einstellen.

Ⓕ RÉGLAGE MÉCANIQUE

ARTICLE	GABARIT	POINTS DE RÉGLAGE	REMARQUES (VÉRIFICATION)
Puissance d'entraine-ment	Cassette de mesure de tension de la bande TW-2412		Plus de 150 g
Couple	Compteur de couple Lecture: TW-2111 Avance rapide: TW-2231 Rebobinage: TW-2231		(Lecture: 30 à 60 g-cm) (Avance rapide: 80 à 140 g-cm) (Rebobinage: 80 à 140 g-cm)
Azimuth	Bande d'essai MTT-114	Vis de réglage de l'azimuth	La forme d'onde sinusoïdale atteint le maximum.
Vitesse de la bande	Bande d'essai Grande vitesse: MTT-118 Vitesse normale: MTT-111	Grande vitesse Platine 1: VR503 Platine 2: VR504 Vitesse normale Platine 1: VR501 Platine 2: VR502 * Mettre la platine TP501 à la terre lors du réglage à vitesse élevée.	Grande vitesse Platine 1: 1 980 ± 10 Hz Platine 2: De l'ordre de −10 Hz de celle de la Platine 1 Vitesse normale Platine 1: 2 970 ± 15 Hz Platine 2: De l'ordre de −15 Hz de celle de la platine 1 * Effectuer d'abord le réglage de la grande vitesse et esuite celui de la vitesse normale.

TESTBÄNDER FÜR MESSUNG

KOMPAKTCASSETTENTYP			
BENENNUNG	MODELL	FREQUENZ/ PEGEL	ANWENDUNG
GLEICHLAUF-SCHWANK-UNGEN	MTT-111	3 kHz, −10 dB	Überprüfung der Bandgesch-windigkeit und Gleichlauf-schwankungen
AZIMUT	MTT-113 MTT-113C MTT-114	6,3 kHz, −10 dB 8 kHz, −10 dB 10 kHz,−10 dB	Kopfazimutein-stellung
KLIRR-FAKTOR	MTT-118	1 kHz, −10 dB	Verzerrungs-pegeleinstellung
DOLBY-PEGEL-EICHUNG	MTT-150	Ton von Dolby B-Typ 200 nwb/m	Dolby-NR B-Typ-Pegelein-stellung
LEER-CASSETTE	MTT-502	——	Überprüfung der Aufnahme-frequenz

BANDES D'ESSAI POUR MESURAGE

TYPE CASSETTE COMPACTE			
TITRE	MODÈLE	FRÉQUENCE/ NIVEAU	APPLICATION
PLEURAGE	MTT-111	3 kHz, −10 dB	Vérification de la vitesse de bande et du pleurage et scintillement
AZIMUTH	MTT-113 MTT-113C MTT-114	6,3 kHz, −10 dB 8 kHz, −10 dB 10 kHz, −10 dB	Réglage de l'azimuth de la tête
DISTORSION	MTT-118	1 kHz, −10 dB	Réglage de niveau de distorsion
CALIBRAGE DU NIVEAU DOLBY	MTT-150	Tonalité Dolby type B, 200 nwb/m	Réglage du niveau type B Dolby NR
ESPACE VIERGE	MTT-502	——	Vérification de la fréquence d'enregistrement

Ⓔ CIRCUIT ADJUSTMENT (AUDIO SECTION)

SETTING POSITION OF SWITCH AND KNOB	• Dolby NR Switch: off • Dubbing Speed: Normal • Graphic Equalizer Control: Center • Volume control: Maximum • Function selector switch: Tape • Tape selector switch: Normal • Beat cancel switch: B		
ITEM	**INPUT**	**ADJUST-MENT POINT**	**REMARKS (CHECK)**
BIAS OSCILLATION FREQUENCY	—	—	(B: 105 ± 3 kHz) (A: +9 ± 0.5 kHz) (C: +3 ± 0.5 kHz)
ERASE CURRENT	—	—	(Normal: 45 mV)
DECK 1 PLAYBACK SENSITIVITY	Test tape MTT-150	L: VR101 R: VR102	Normal: 580 mV
DECK 2 PLAYBACK SENSITIVITY	Test tape MTT-150	L: VR103 R: VR104	Normal: 580 mV
RECORD/ PLAYBACK SENSITIVITY	Non-recorded tape (MTT-502) 400 Hz, −14 dB (1 V = 0 dB)	L: VR307 R: VR308	1. Adjust the CR Oscillator so that the electronic voltmeter reads 200 mV. 2. Playback the normal tape recorded and adjust the semi-variable resistor so that the electronic voltmeter reads 200 mV.

NOTE:

1. Before checking the bias oscillation frequency, connect a resistor (100 ohm) between the record/playback head and earth.
2. Before checking the erase current, connect a resistor (1 ohm) between the erase head and earth.

Figure 14–5 ADJUSTMENT POINT

E.V.: ELECTRONIC VOLTMETER

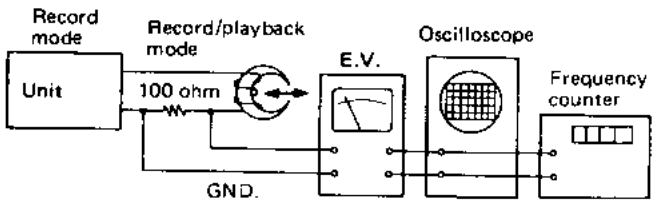


Figure 14–1 BIAS OSCILLATION FREQUENCY

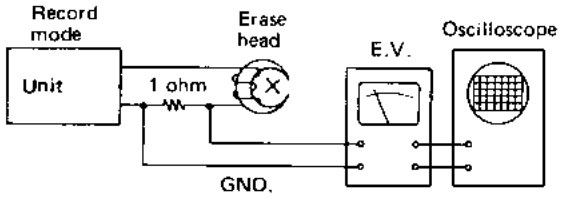


Figure 14–2 ERASE CURRENT

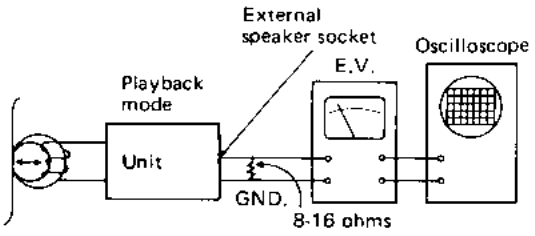


Figure 14–3 PLAYBACK AMPLIFIER SENSITIVITY

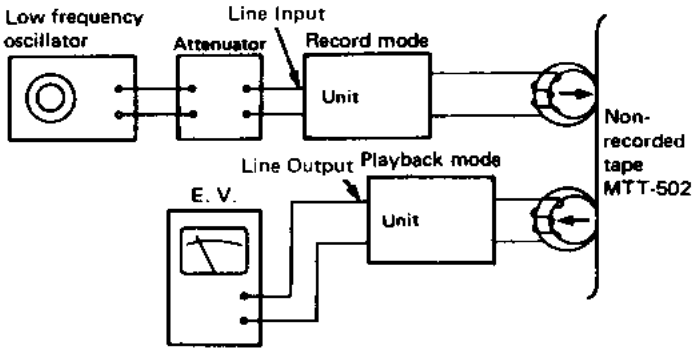


Figure 14–4 RECORD/PLAYBACK SENSITIVITY

TORQUE METER FOR COMPACT CASSETTE

MODEL	MEASUREMENT RANGE	APPLICATION
TW-2111	10 – 100 g-cm	Normal : Playback torque
	1.5 – 10 g-cm	Normal : Back-tension
TW-2121	10 – 100 g-cm	Reverse : Playback torque
	1.5 – 10 g-cm	Reverse : Back tension
TW-2231	30 – 200 g-cm	Fast-forward, Rewind torque
TW-2412	0 – 300 g	Normal : Driving power
TW-2422	0 – 300 g	Reverse : Driving power

Ⓓ SCHALTUNGSEINSTELLUNG (TONTEIL)

SCHALTER- UND STELLER-EINSTELL-POSITION	• Dolby-NR-Schalter: Aus • Graphic Equalizer-Steller: Mittig • Überspielgeschwindigkeit: Normal • Lautstärkesteller: Maximal • Funktionswahlschalter: Tape (Band) • Bandsortenwahlschalter: Normal • Schwebungsunterdrückungsschalter: B		
BENENNUNG	**EIN-GANG**	**EIN-STELL-PUNKT**	**BEMERKUNGEN (PRÜFUNG)**
VORMAGNETI-SIERUNGS-SCHWING-FREQUENZ	——	——	(B: 105 ± 3 kHz) (A: +9 ± 0,5 kHz) (C: +3 ± 0,5 kHz)
LÖSCHSTROM	——	——	(Normalband: 45 mV)
WIEDERGABE-EMPFIND-LICHKEIT VON DECK 1	Testband MTT-150	L: VR101 R: VR102	Normalband: 580 mV
WIEDERGABE-EMPFIND-LICHKEIT VON DECK 2	Testband MTT-150	L: VR103 R: VR104	Normalband: 580 mV
AUFNAHME-/ WIEDERGABE-EMPFIND-LICHKEIT	Unbespieltes Band MTT-502 400 Hz, −14 dB (1 V ≈ 0 dB)	L: VR307 R: VR308	1. Den Kristal-oszillator so ein-stellen, daß der elektronische Spannungsmesser 200 mV anzeigt. 2. Das bespielte Normalband wiedergeben und den Trimmer so einstellen, daß der elecktronische Spannungsmesser 200 mV anzeigt.

ZUR BEACHTUNG:

1. Vor der Prüfung der Vormagnetisierungs-Schwingfrequenz einen Widerstand (100 Ohm) zwischen den Aufnahme/ Wiedergabekopf und Erdung anschließen.
2. Vor der Prüfung des Löschstromes einen Widerstand (1 Ohm) zwischen den Löschkopf und Erdung anschließen.

DREHMOMENTMESSER FÜR KOMPAKTCASSETTE		
MODELL	**MESSBEREICH**	**ANWENDUNG**
TW-2111	10 – 100 g-cm	Normal : Wiedergabedrehmoment
	1,5 – 10 g-cm	Normal : Rückzug
TW-2121	10 – 100 g-cm	Rücklauf : Wiedergabedrehmoment
	1,5 – 10 g-cm	Rücklauf : Rückzug
TW-2231	30 – 200 g-cm	Schnellvorlauf-, Rückspul-drehmoment
TW-2412	0 – 300 g	Normal : Antriebskraft
TW-2422	0 – 300 g	Rücklauf : Antriebskraft

Ⓕ RÉGLAGE DU CIRCUIT (SECTION DU AUDIO)

RÉGLAGE DE LA POSITION DES COMMUTA-TEURS ET DES BOUTONS	• Commutateur Dolby NR: Coupé • Vitesse de copie: Normale • Commandes d'égaliseur graphicque: Centre • Commande de volume: Maximum • Commutateur de sélection de fonction: Bande • Commutateur de sélection de bande: Normal • Commutateur de suppression de battement: B		
ARTICLE	**ENTRÉE**	**POINT DE RÈGLAGE**	**REMARQUES (VÉRIFICATION)**
FRÉQUENCE DE L'OSCILLA-TION DE POLARISATION	——	——	(B: 105 ± 3 kHz) (A: +9 ± 0,5 kHz) (C: +3 ± 0,5 kHz)
COURANT D'EFFACEMENT	——	——	(Normal: 45 mV)
SENSIBILITÉ DE LECTURE DE LA PLATINE 1	Bande d'essai MTT-150	G: VR101 D: VR102	Normal: 580 mV
SENSIBILITÉ DE LECTURE DE LA PLATINE 2	Bande d'essai MTT-150	G: VR103 D: VR104	Normal: 580 mV
SENSIBILITÉ D'ENREGISTRE-MENT/ LECTURE	Bande non enregistrée MTT-502 400 Hz, −14 dB (1V = 0 dB)	G: VR307 D: VR308	1. Régler l'oscil-lateur CR de telle sorte que le voltmètre élec-tronique indique 200 mV. 2. Lire une bande normale en-registrée et régler la résistance semi-variable de telle sorte que le volt-mètre électronique indique 200 mV.

NOTE:

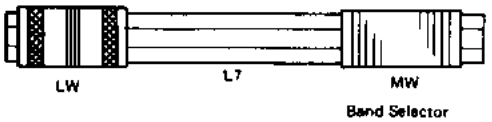
1. Avant de vérifier la fréquence d'oscillation de polarisation, connecter une résistance (100 ohm) entre la tête d'enre-gistrement/lecture et la terre.
2. Avant de vérifier le courant d'effacement, connecter und résistance (1 ohm) entre la tête d'effacement et la terre.

JAUGE DE COUPLE POUR CASSETTE COMPACTE		
MODÈLE	**GAMME DE MESURE**	**APPLICATION**
TW-2111	10 – 100 g-cm	Normal : Lecture d'enroulement
	1,5 – 10 g-cm	Normal : Tension arrière
TW-2121	10 – 100 g-cm	Retour : Lecture d'enroulement
	1,5 – 10 g-cm	Retour : Tension arrière
TW-2231	30 – 200 g-cm	Couple d'avance rapide et de rebobinage
TW-2412	0 – 300 g	Normal : Puissance d'entraînement
TW-2422	0 – 300 g	Retour : Puissance d'entraînement

Ⓔ CIRCUIT ADJUSTMENT (TUNER SECTION)

AM IF/RF

SIGNAL GENERATOR		400 Hz, 30%, AM modulated			
STEP	TEST STAGE	FRE-QUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
MW IF					
1	IF	455 kHz For UK: 468 kHz	High frequency	T3	Adjust for best "IF" curve.
LW RF					
2	Band coverage	145 kHz	Lowest frequency	L10	Adjust for maximal output.
3		295 kHz	Highest frequency	TC8	
4	Tracking	170 kHz	170 kHz	L7	
5		220 kHz	220 kHz	TC5	
6	Repeat steps 2,3,4 and 5 until no further improvement can be made.				
MW RF					
7	Band coverage	510 kHz	Lowest frequency	L9	Adjust for maximal output.
8		1650 kHz	Highest frequency	TC7	
9	Tracking	600 kHz	600 kHz	L7	
10		1,400 kHz	1,400 kHz	TC4	
11	Repeat steps 7,8,9 and 10 until no further improvement can be made.				
SW RF					
12	Band coverage	5.85 MHz	Lowest frequency	L8	Adjust for maximal output.
13		18.5 MHz	Highest frequency	TC6	
14	Tracking	6.5 MHz	6.5 MHz	L6	
15		16 MHz	16 MHz	TC3	
16	Repeat steps 12,13,14 and 15 until no further improvement can be made.				



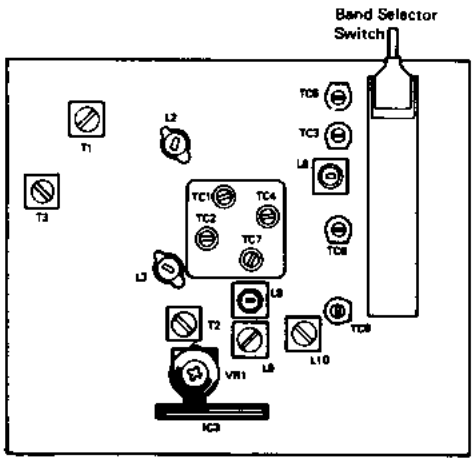


Figure 16–6 ADJUSTMENT POINTS

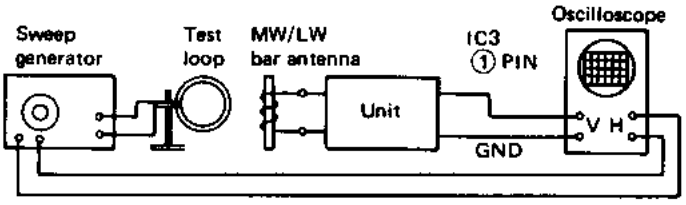


Figure 16–1 AM IF

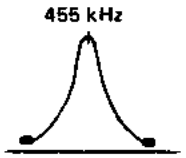


Figure 16–2 AM IF CURVE

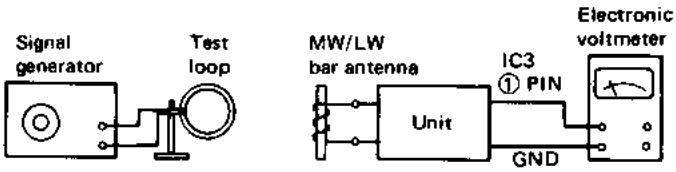


Figure 16–3 LW/MW RF

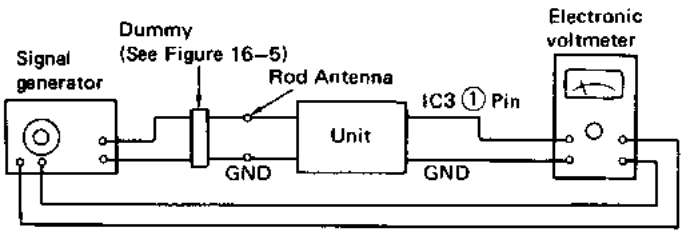


Figure 16–4 SW RF

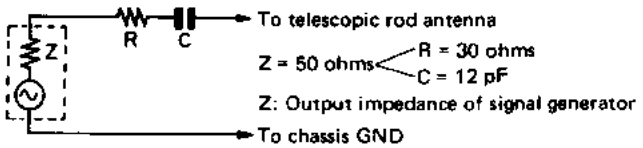


Figure 16–5 SW DUMMY

Ⓓ SCHALTUNGSEINSTELLUNG (TUNERTEIL)

AM-ZF/HF EINSTELLUNG

SIGNAL-GENERATOR		400 Hz, 30%, AM-Modulation			
SCHRITT	PRÜFSTUFE	FREQUENZ	SKALENZEIGEREINSTELLUNG	EINSTELLUNG	BEMERKUNGEN
MW ZF					
1	ZF	455 kHz	Hochfrequenz	T3	Auf beste ZF-Kurve einstellen.
LW HF					
2	Frequenzbereich	145 kHz	Unterste Frequenz	L10	Auf maximalen Ausgang einstellen.
3		295 kHz	Höchste Frequenz	TC8	
4	Gleichlauf	170 kHz	170 kHz	L7	
5		220 kHz	220 kHz	TC5	
6	Die Schritte 2, 3, 4 und 5 wiederholen, bis keine weitere Verbesserung möglich ist.				
MW HF					
7	Frequenzbereich	510 kHz	Unterste Frequenz	L9	Auf maximalen Ausgang einstellen.
8		1 650 kHz	Höchste Frequenz	TC7	
9	Gleichlauf	600 kHz	600 kHz	L7	
10		1 400 kHz	1 400 kHz	TC4	
11	Die Schritte 7, 8, 9 und 10 wiederholen, bis keine weitere Verbesserung möglich ist.				
KW HF					
12	Frequenzbereich	5,85 MHz	Unterste Frequenz	L8	Auf maximalen Ausgang einstellen.
13		18,5 MHz	Höchste Frequenz	TC6	
14	Gleichlauf	6,5 MHz	6,5 MHz	L6	
15		16 MHz	16 MHz	TC3	
16	Die Schritte 12, 13, 14 und 15 wiederholen, bis keine weitere Verbesserung möglich ist.				

Ⓕ RÉGLAGE DU CIRCUIT (SECTION DU TUNER)

RÉGLAGE DE FI/RF AM

GÉNÉRATEUR DE SIGNAUX		400 Hz, 30% , modulé AM			
ÉTAPE	ÉTAGE D'ESSAI	FRÉQUENCE	MISE AU POINT DE L'INDEX	RÉGLAGE	REMARQUES
FI PO					
1	FI	455 kHz	Haute fréquence	T3	Régler sur la meilleure courbe "FI".
RF GO					
2	Étendue de gamme d'ondes	145 kHz	Fréquence la plus basse	L10	Régler sur la sortie maximale.
3		295 kHz	Fréquence la plus élevée	TC8	
4	Alignement	170 kHz	170 kHz	L7	
5		220 kHz	220 kHz	TC5	
6	Refaire les étapes 2, 3, 4 et 5 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
RF PO					
7	Étendur de gamme d'ondes	510 kHz	Fréquence la plus basse	L9	Régler sur la sortie maximale.
8		1 650 kHz	Fréquence la plus élevée	TC7	
9	Alignement	600 kHz	600 kHz	L7	
10		1 400 kHz	1400 kHz	TC4	
11	Refaire les étapes 7, 8, 9 et 10 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
RF OC					
12	Étendue de gamme d'ondes	5,85 MHz	Fréquence la plus basse	L8	Régler sur la sortie maximale.
13		18,5 MHz	Fréquence la plus élevée	TC6	
14	Alignement	6,5 MHz	6,5 MHz	L6	
15		16 MHz	16 MHz	TC3	
16	Refaire les étapes 12, 13, 14 et 15 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

Ⓔ

FM IF/RF ADJUSTMENT

SWITCH POSITION		FM mono			
SIGNAL GENERATOR		400Hz, 30%, FM modulated			
STEP	TEST STAGE	FRE-QUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
1	IF	10.7 MHz	High frequency	T1	1. Using a minus driver, turn the core of T2 counter-clockwise before taking it out of the bobbin. 2. Adjust for best "IF" curve.
2	Detec-tion			T2	Adjust for best "S" curve.
3	Repeat steps 1 and 2 until no further improvement can be made.				
4	Band coverage	87.3 MHz	Lowest frequency	L3	Adjust for maximal output.
5		108.3 MHz	Highest frequency	TC2	
6	Tracking	88 MHz	88 MHz	L2	
7		108 MHz	108 MHz	TC1	
8	Repeat steps 4, 5 and 6, 7 until no further improvement can be made.				

VCO FREQUENCY ADJUSTMENT

SIGNAL GENERATOR	400 Hz, 30%, FM modulated (mono signal)		
FREQUENCY	DIAL POINTER SETTING	ADJUST-MENT	REMARKS
FM mono position		FM stereo position (unmodulated)	
98 MHz at 60 dB	98 MHz	VR1	Adjust for 38.00 kHz ± 100 Hz.

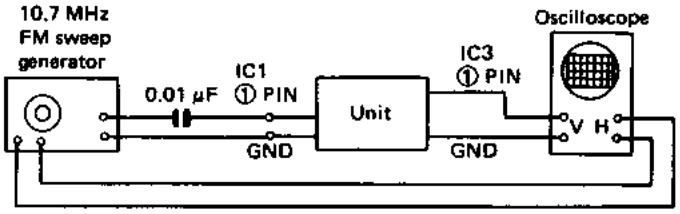


Figure 18–1 FM IF

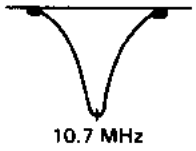


Figure 18–2 IF CURVE

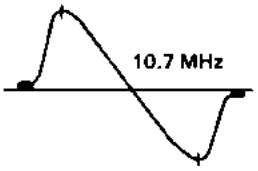


Figure 18–3 S CURVE

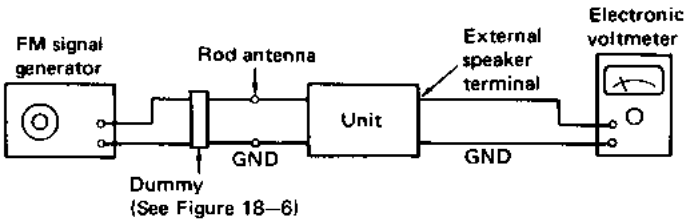


Figure 18–4 FM RF

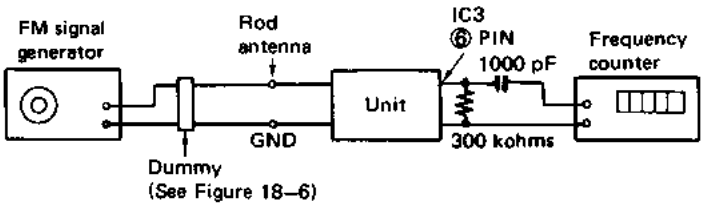


Figure 18–5 VCO FREQUENCY

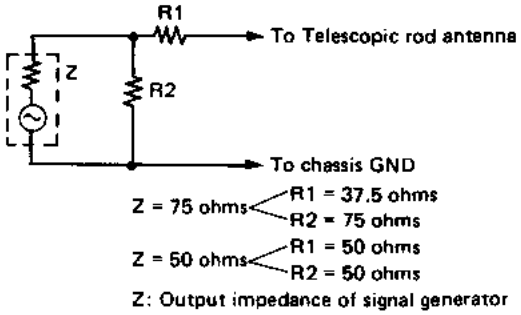


Figure 18–6 FM DUMMY

Ⓓ

UKW-ZF/HF-EINSTELLUNG

SCHALTER-STELLUNG		FM mono			
SIGNAL-GENERATOR		400 Hz, 30%, UKW-Modulation			
SCHRITT	PRÜFSTUFE	FREQUENZ	SKALEN-ZEIGEREIN-STELLUNG	EIN-STELLUNG	BEMERKUNGEN
1	ZF	10,7 MHz	Hochfrequenz	T1	1. Den Kern von T2 mit Hilfe eines normalen Schraubenziehers entgegen dem Uhrzeigersinn drehen, bevor dieser aus der Spule genommen wird. 2. Auf beste ZF-Kurve einstellen.
2	Detektion			T2	Auf beste S-Kurve einstellen
3	Die Schritte 1 und 2 wiederholen, bis keine weitere Verbesserung möglich ist.				
4	Frequenzbereich	87,3 MHz	Unterste Frequenz	L3	Auf maximalen Ausgang einstellen.
5		108,3 MHz	Höchste Frequenz	TC2	
6	Gleichlauf	88 MHz	88 MHz	L2	
7		108 MHz	108 MHz	TC1	
8	Die Schritte 4, 5, 6 und 7 wiederholen, bis keine weitere Verbesserung möglich ist.				

EINSTELLUNG DER VCO-FREQUENZ

SIGNAL-GENERATOR	400 Hz, 30%, UKW-Modulation (Mono-Signal)		
FREQUENZ	SKALEN-ZEIGEREIN-STELLUNG	EIN-STELLUNG	BEMERKUNGEN
"FM mono" einstellen		"FM stero" einstellen (unmoduliert)	
98 MHz bei 60 dB	98 MHz	VR1	Auf 38,00 kHz ± 100 Hz einstellen.

DIE ANWEISUNG DER FREQUENZEINSTELLUNG

Um der Postverfügung Nr. 478/1981 zu entsprechen, wird der UKW-Frequenzbereich mit Hilfe der Oszillatorspule (L3-untere Eckfrequenz: 87,5 MHz) und des Oszillatortrimmers (TC2-obere Eckfrequenz: 108,0 MHz) eingestellt.

Ⓕ

RÉGLAGE DE FI/RF FM

POSITION DU COMMUTATEUR		FM mono			
GÉNÉRATEUR DE SIGNAUX		400 Hz, 30% , modulé FM			
ÉTAPE	ÉTAGE D'ESSAI	FRÉQUENCE	MISE AU POINT DE L'INDEX	RÉGLAGE	REMARQUES
1	FI	10,7 MHz	Haute fréquence	T1	1. À l'aide d'un tournevis plat, tourner le noyau de T2 à gauche avant de le sortir de la bobine. 2. Régler sur la meilleure courbe "FI".
2	Détection			T2	Régler sur la meilleure courbe "S".
3	Refaire les étapes 1 et 2 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
4	Étendur de gamme d'ondes	87,3 MHz	Fréquence la plus basse	L3	Régler sur la sortie maximale.
5		108,3 MHz	Fréquence la plus élevée	TC2	
6	Alignement	88 MHz	88 MHz	L2	
7		108 MHz	108 MHz	TC1	
8	Refaire les étapes 4, 5 et 6, 7 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

RÉGLAGE DE LA FRÉQUENCE VCO

GÉNÉRATEUR DE SIGNAUX	400 Hz, 30% , modulé FM (mono signal)		
FRÉQUENCE	MISE AU POINT DE L'INDEX	RÈGLAGE	REMARQUES
Position FM mono		Position FM stéréo (non modulés)	
98 MHz à 60 dB	98 MHz	VR1	Réglage sur 38,00 kHz ± 100 Hz.

Ⓔ

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K is used: the symbol K means 1000 ohm and the resistor without any symbol is ohm-type resistor.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  ( ): AM mode
  Marking except for ( ): FM mode

1. As for the voltages of Q505 to Q513, each of them is measured in playback mode.
2. As for the voltage of Q605, it is measured when both Deck 1 and Deck 2 are stopped momentarily during APPS operation.

- Parts marked with "⚠" (▭) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

Ⓓ

ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN

- Widerstände:
  Um die Einheiten der Widerstände unter-scheiden zu können, werden Symbole wie K benutzt. Das Symbol K bedeutet 1000 Ohm Bei Widerständen ohne Symbol handelt es sich um ohmsche Widerstände.
- Kondensatoren:
  Zum Bezeichnen der Kondensatoreinheit wird das Symbol P benutzt; dieses Symbol P bedeutet Nanofard. Die Einheit eines Kondensators ohne Symbol ist Mikrofarad. Für Elektrolytkondensatoren wird die Be-zeichnung "Kapazität / Stehspannung" benutzt.
- Die in den einzelnen Teilen angegebenen Spannungen werden mit einem Digitalvielfachmeßgerät zwischen dem betreffen den Teil und dem Chassis ohne Signalzuleitung gemessen.
  ( ): AM-Betriebsart
  Anzeichnen, außer ( ): UKW-Betriebsart

1. Für die Spannungen von Q505 bis Q513 wird jede von diesen bei Einstellung auf Wiedergabe-Betriebsart gemessen.
2. Für die Spannung von Q605 wird die gemessen, wenn die Decks 1 und 2 während des APPS-Betriebs kurzzeitig gestoppt werden.

- Die mit ⚠ (▭) bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherherheit als auch die Leistung des Gerätes aufrechtzuerhalten.
- Änderungen des schematischen Schaltplans und der Verdrahtungsseite der Leiterplatte für dieses Modell im Sinne von Verbesserungen jederzeit vorbehalten.

Ⓕ

REMARQUES CONCERNANT LE DIAGRAMME SCHÉMATIQUE

- Résistance:
  Pour différencier les unités de résistances, on utilise des symbole tels que K: le symbole K signifie 1000 ohms et la résistance donnée sans symbole est une résistance de type ohm.
- Condensateur:
  Pour indiquer l'unité de condensateur, on utilise le symbole P; ce symbole P signifie micro-microfarad, et l'unité de condensateur donnée sans ce symbole est le microfarad. En ce qui concerne le condensateur électrolytique, on utilise l'expression "tension de régime/capacité"
- La tension indiquée dans chaque section est celle mesurée par un multimètre numérique entre la section en question et le châssis, en l'absence de tout signal.
  ( ): Mode AM
  Marque, à l'exception de ( ): Mode FM

1. Quant aux tensions de Q505 à Q513, les mesurer dans le mode de lecture.
2. Quant à la tension de Q605, la mesurer lorsque les platines 1 et 2 sont arrêtées momentanément au cours de l'opération APPS.

- Les pièces portant la marque ⚠ (▭) sont particulièrement importantes pour le maintien de la sécurité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l'appareil.
- Le diagramme schématique et le côté câblage de la PMI de ce modèle sont sujets à modifications sans préavis pour l'amélioration de ce produit.

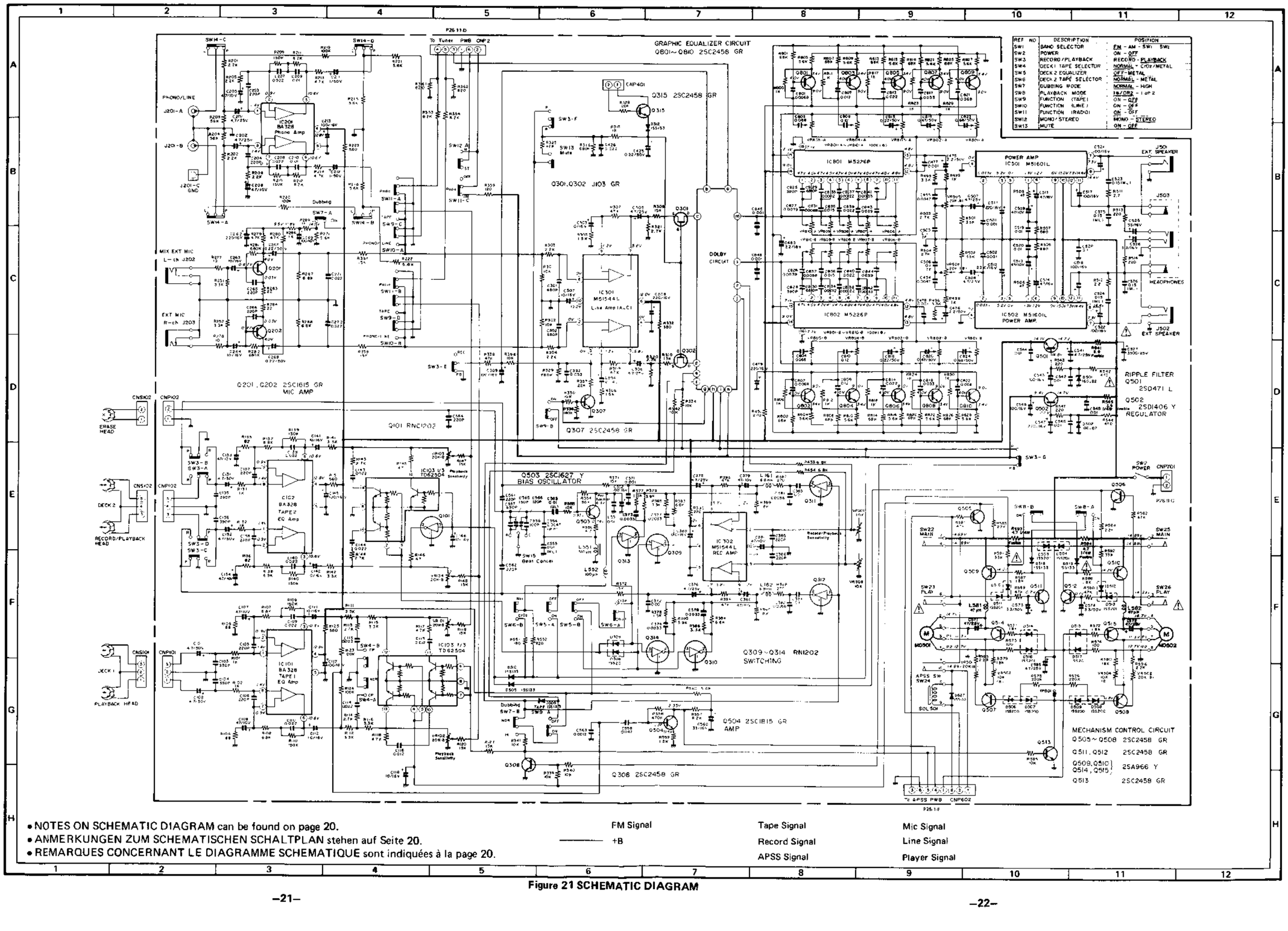


Figure 21 SCHEMATIC DIAGRAM

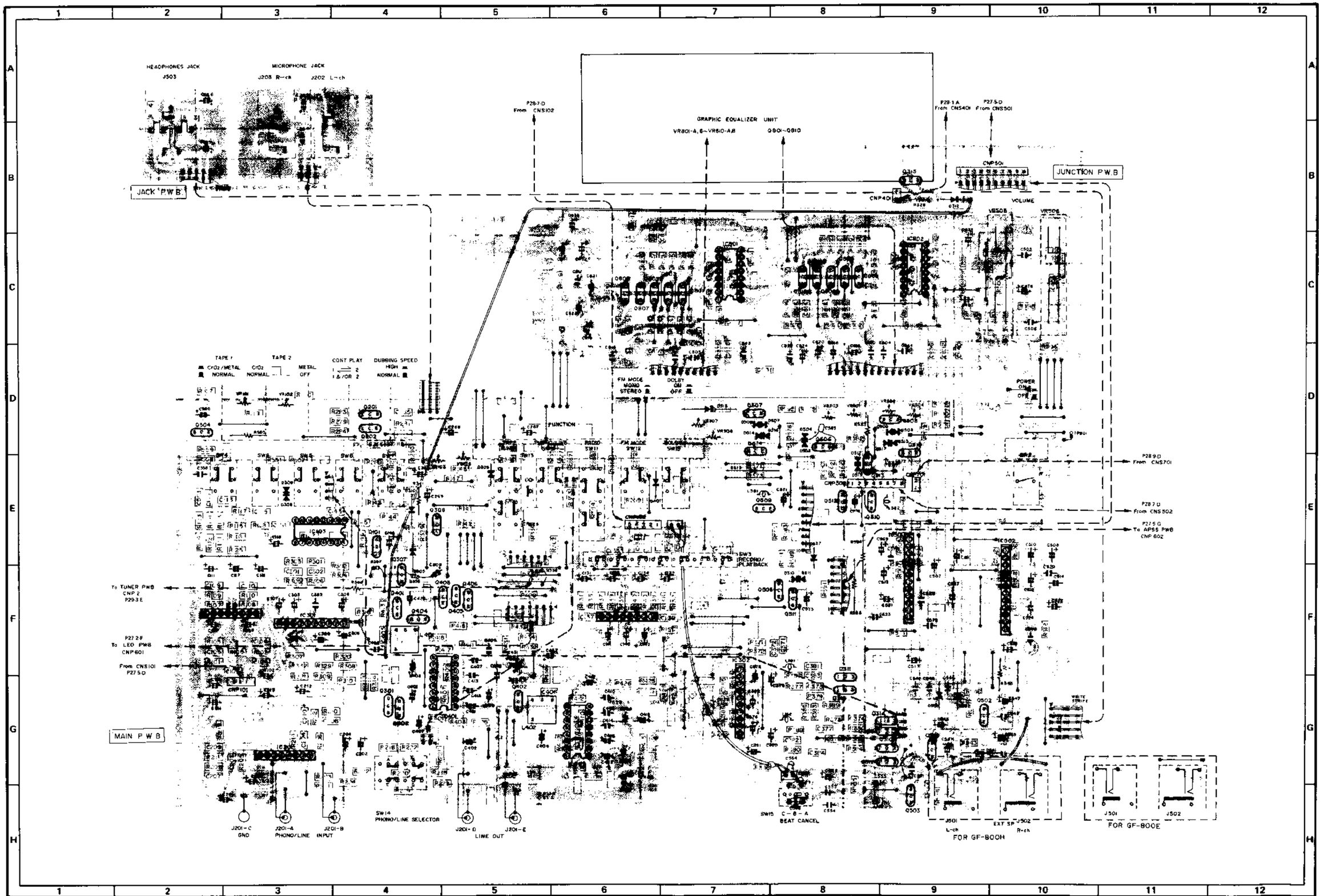
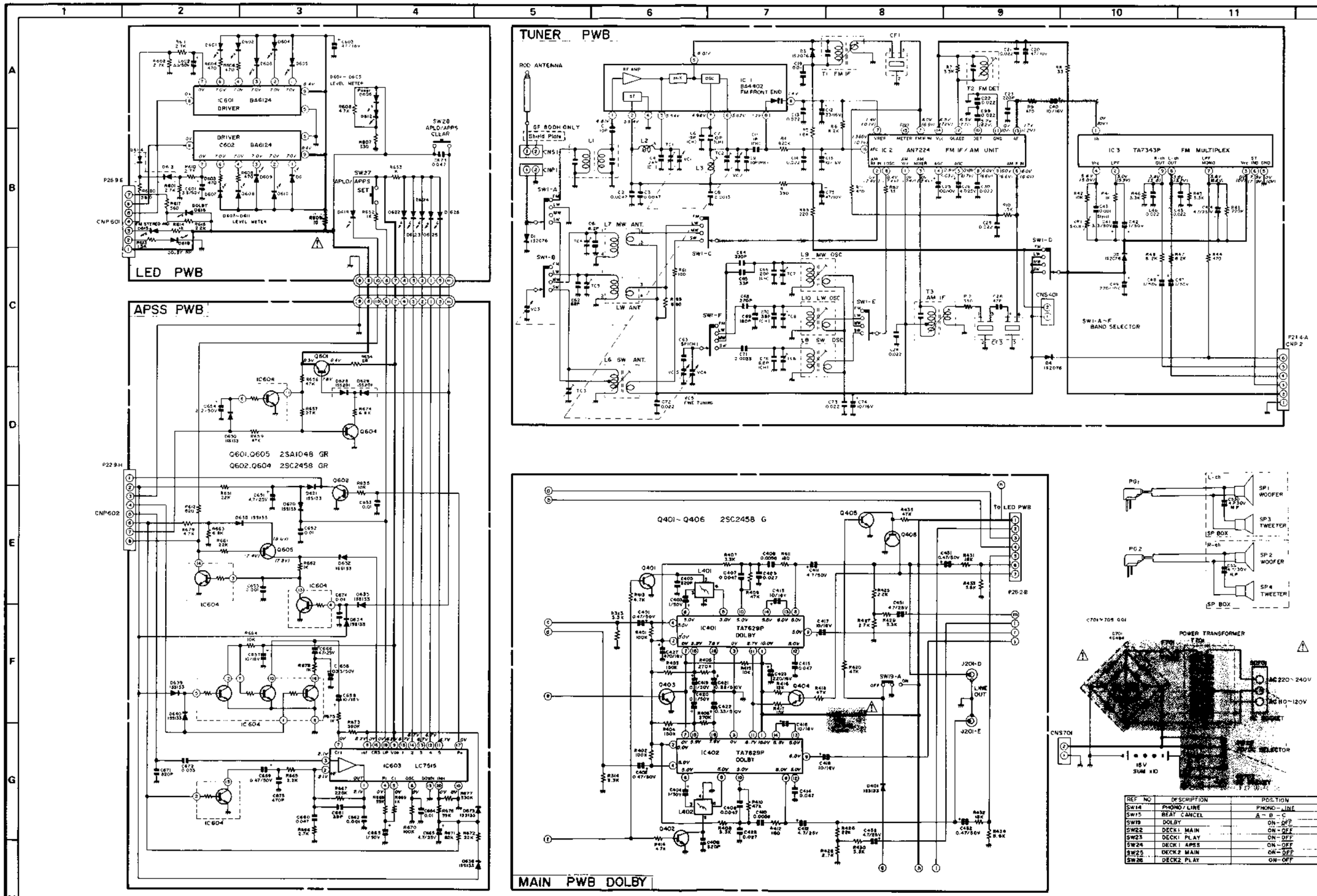


Figure 23 WIRING SIDE OF P.W.BOARD



REF NO	DESCRIPTION	POSITION
SW14	PHONO / LINE	PHONO – LINE
SW15	BEAT CANCEL	A – B – C
SW19	DOLBY	ON – OFF
SW22	DECK1 MAIN	ON – OFF
SW23	DECK1 PLAY	ON – OFF
SW24	DECK1 APSS	ON – OFF
SW25	DECK2 MAIN	ON – OFF
SW26	DECK2 PLAY	ON – OFF

- NOTES ON SCHEMATIC DIAGRAM can be found on page 20.
- ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen auf Seite 20.
- REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE sont indiquées à la page 20.

Figure 25 SCHEMATIC DIAGRAM

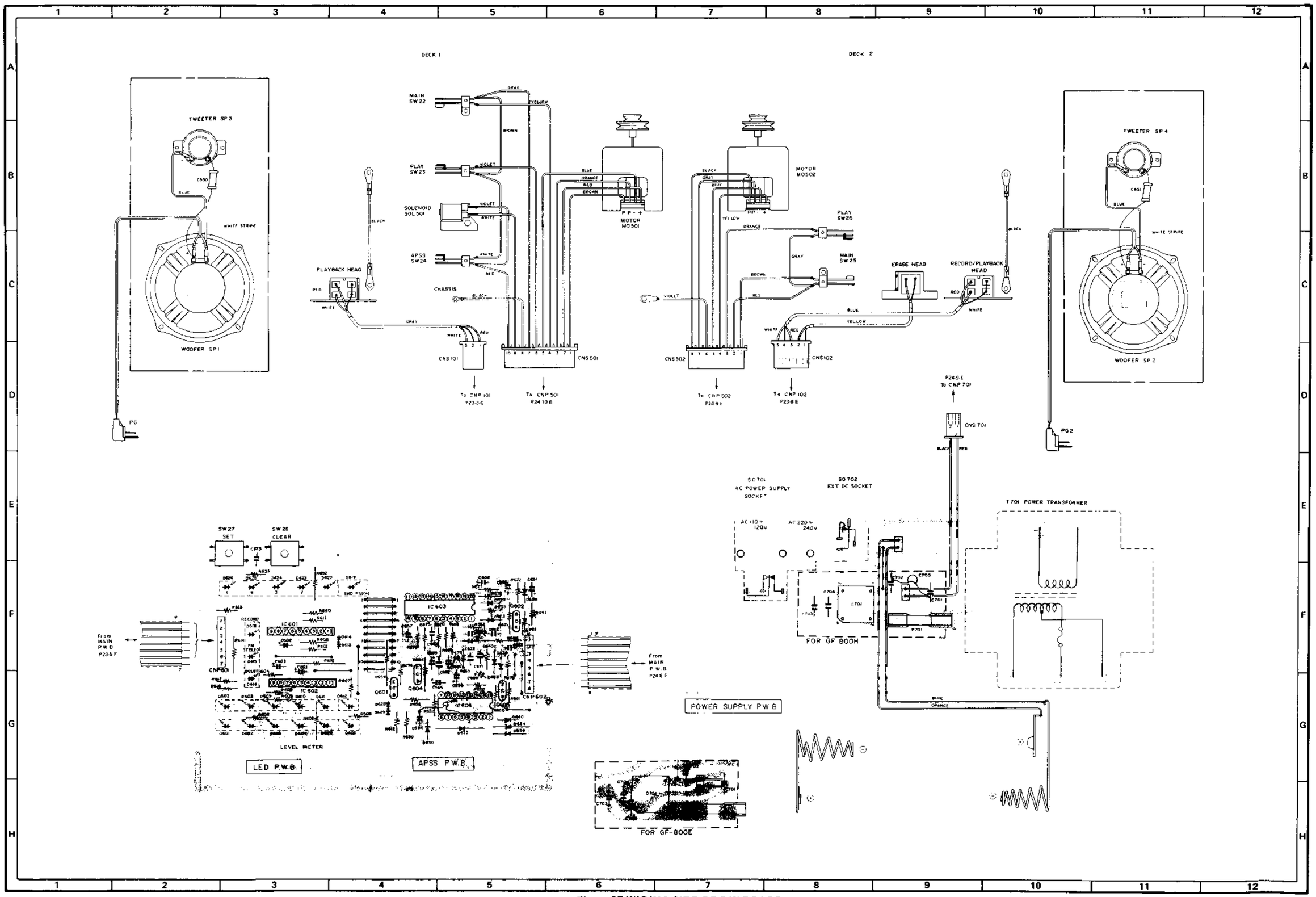


Figure 27 WIRING SIDE OF P.W.BOARD

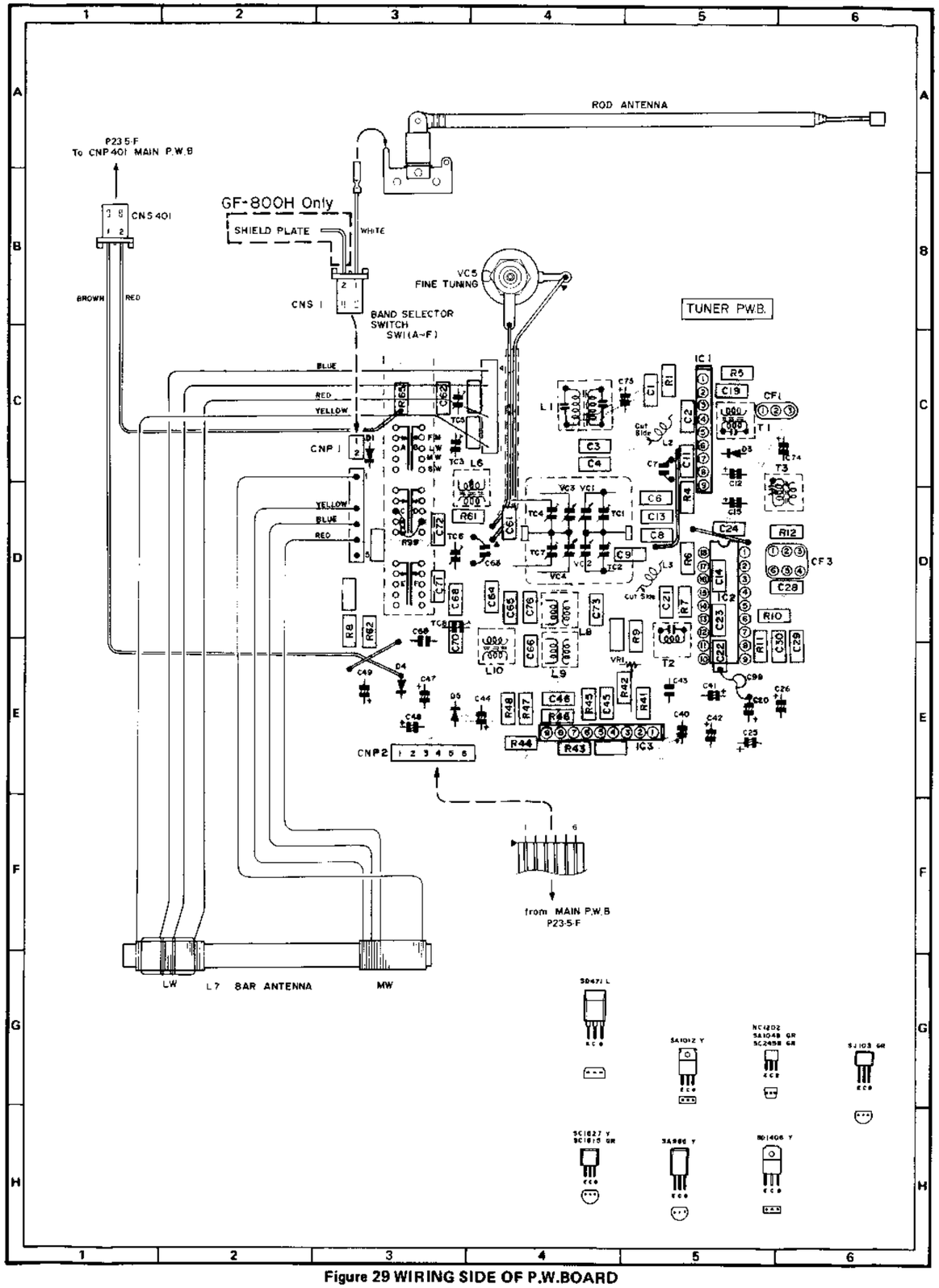
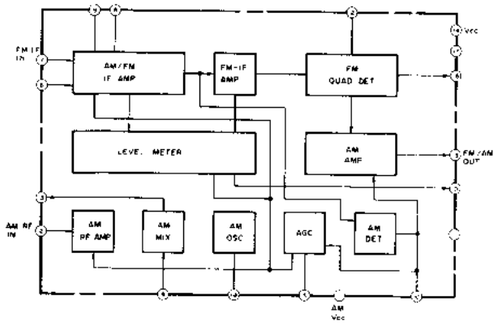


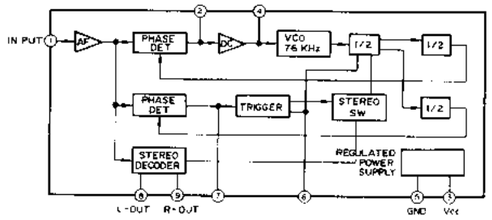
Figure 29 WIRING SIDE OF P.W.BOARD

EQUIVALENT CIRCUIT (BLOCK DIAGRAM) OF IC

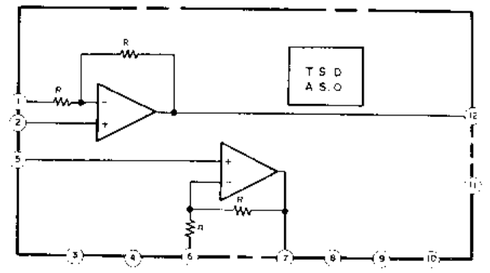
AN7224



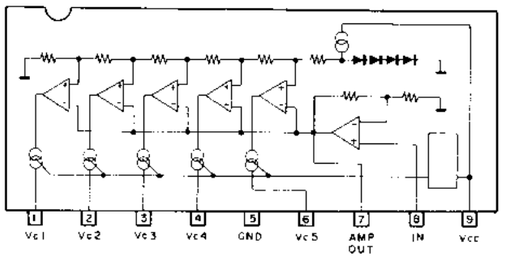
TA7343P



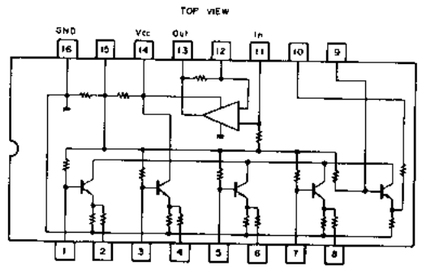
M51601L



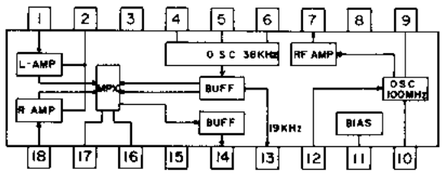
BA6124



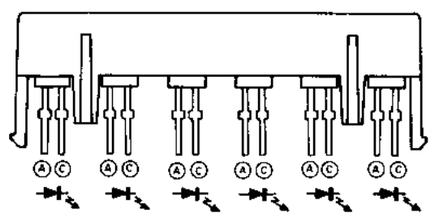
M5226P



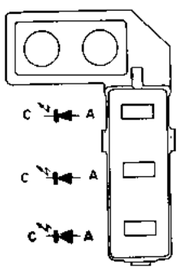
TA7629P



D601-606, D607-D612
Green, Red
D622-D626
Orange, Red



D615, 616, 618
Red



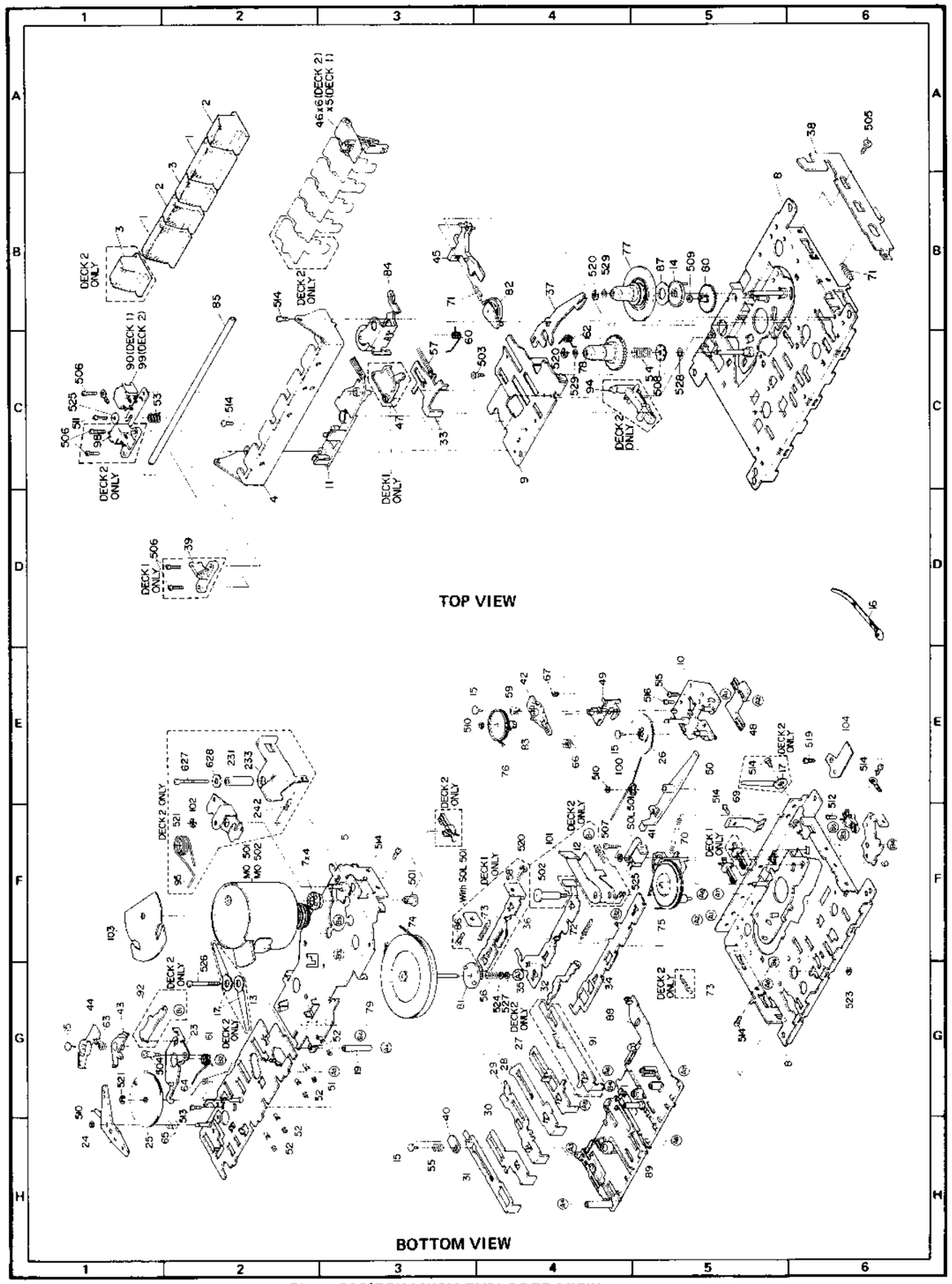


Figure 31 MECHANISM EXPLODED VIEW

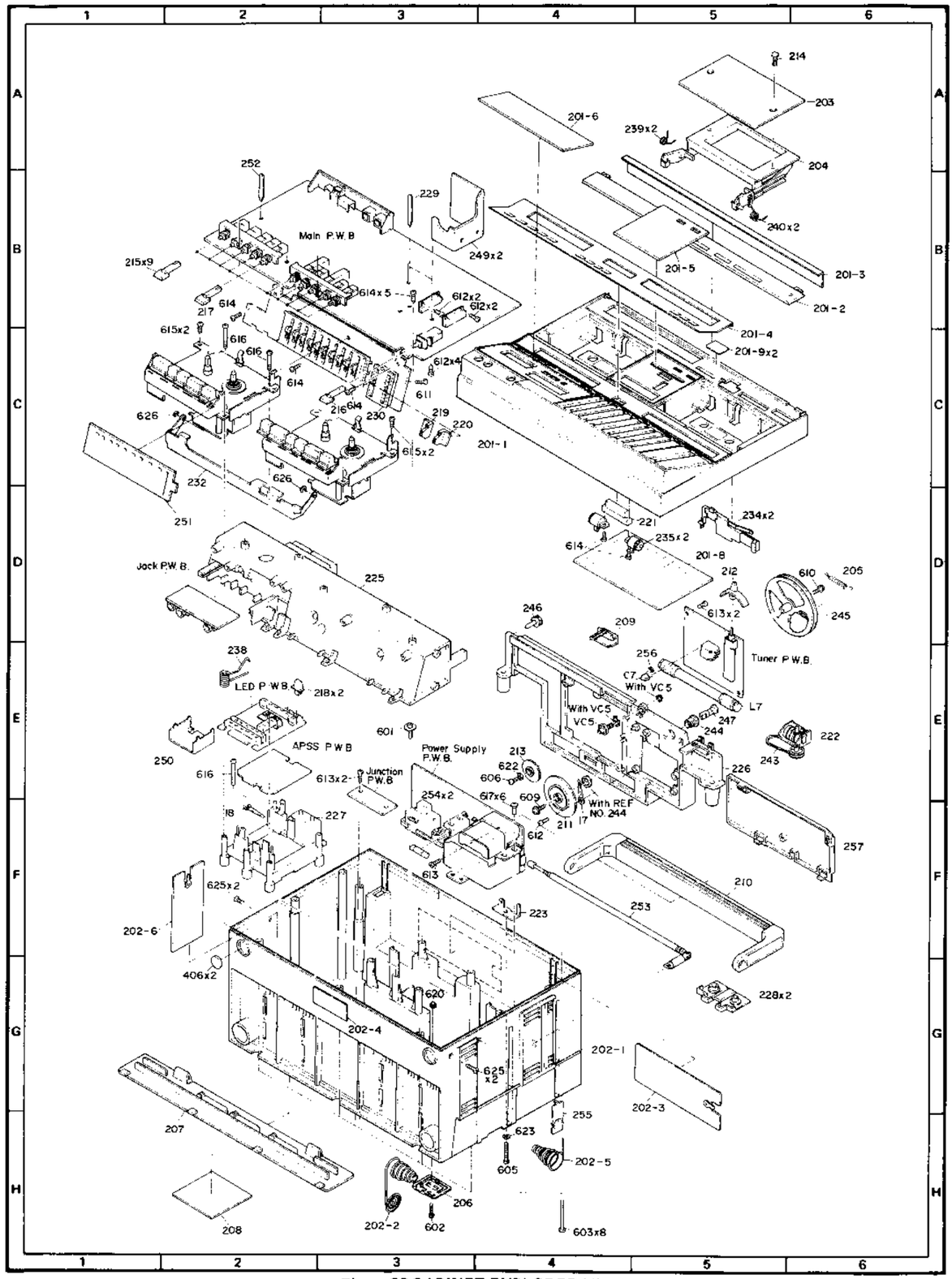


Figure 32 CABINET EXPLODED VIEW

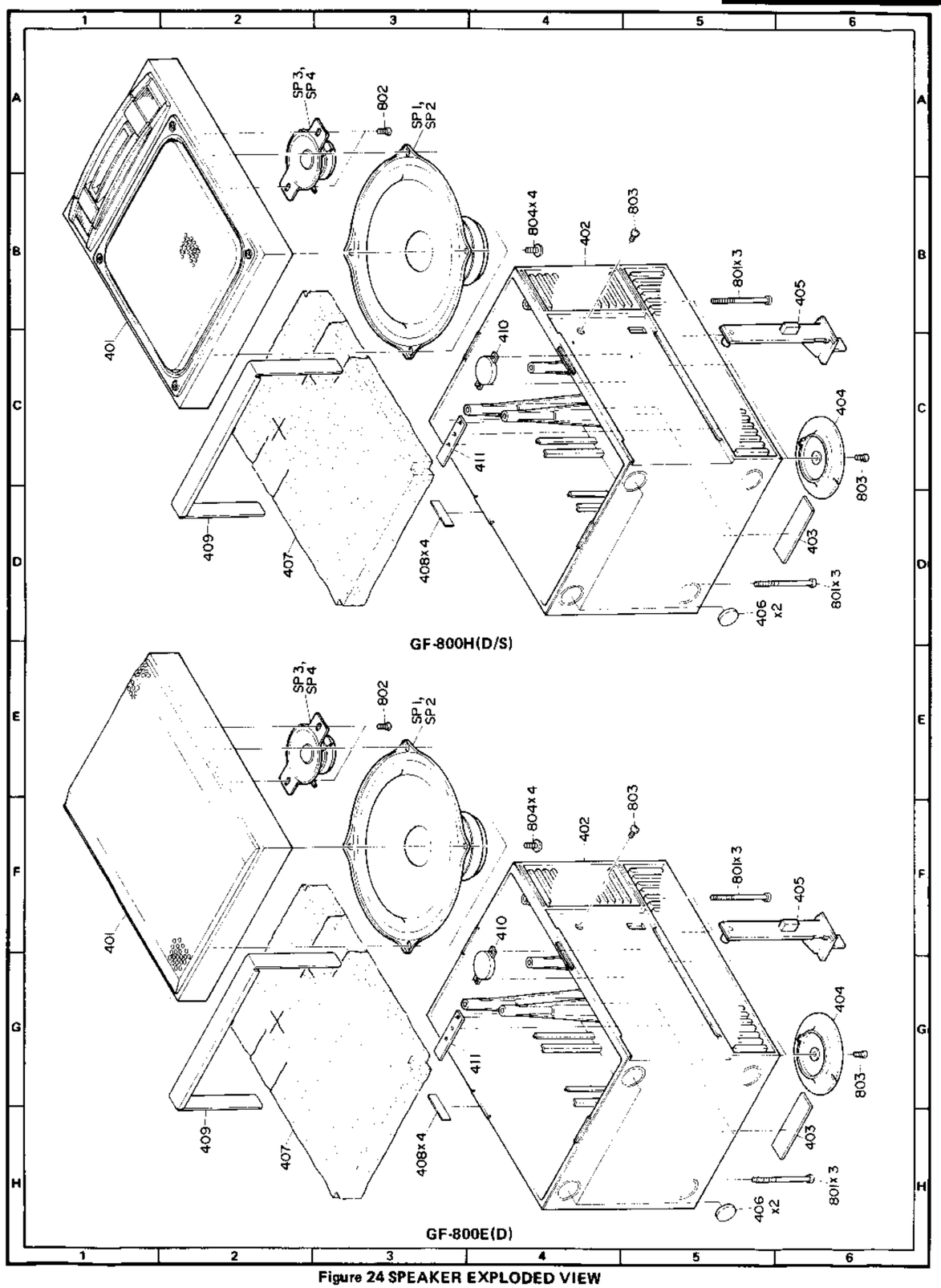


Figure 24 SPEAKER EXPLODED VIEW

(E) REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

(D) ERSATZTEILLISTE

"BESTELLEN VON ERSATZTEILEN"

Um Ihren Auftrag schnell und richtig ausfuhren zu können, bitten wir um die folgenden Angaben.

1. MODELLNUMMER
2. REF. NR.
3. TEIL NR.
4. BESCHREIBUNG

ANMERKUNGEN:
Die mit ⚠ bezeichneten Teile sind besonders wichtig fur die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit ais auch die Leistung des Gerätes aufrechtzuerhalten.

(F) LISTE DES PIÈCES DE RECHANGE

"COMMENT COMMANDER DES PIÈCES DE RECHANGE"

Pour voir votre commande exécutée de manière rapide et correcte, veuillez fournir les renseignements suivants.

1. NUMÉRO DU MODÈLE
2. N° DE RÉFÉRENCE
3. N° DE LA PIÈCE
4. DESCRIPTION

NOTE:
Les pièces portant la marque ⚠ sont particulièrement importantes pour le maintien de la securité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l' appareil.

REF.NO.	PART NO.	DESCRIPTION	CODE
	INTEGRATED CIRCUITS		
IC1	VHiBA4402//-1	FM Front End,BA4402	A F
IC2	VHiAN7224//-1	FM/AM IF Circuit,AN7224	A H
IC3	VHiTA7343P/-1	PLL FM MPX.,TA7343P	A G
IC101	RH-iX1116AFZZ	Pre Amp,BA328	A G
IC102	RH-iX1116AFZZ	Pre Amp,BA328	A G
IC103	VHiTD62504/-1	Inverter,TD62504	A G
IC201	RH-iX1116AFZZ	Pre Amp,BA328	A G
IC301	VHiM51544L/-1	Dual Amp.,M51544L	A G
IC302	VHiM51544L/-1	Dual Amp.,M51544L	A G
IC401	VHiTA7629P/-1	Dolby NR Circuit,TA7629P	A L
IC402	VHiTA7629P/-1	Dolby NR Circuit,TA7629P	A L
IC501	VHiM51601L/-1	Power Amp.,M51601L	A N
IC502	VHiM51601L/-1	Power Amp.,M51601L	A N
IC601	VHiBA6124//-1	Driver,BA6124	A G
IC602	VHiBA6124//-1	Driver,BA6124	A G
IC603	VHiLC7515//-1	APLD,LC7515	A H
IC604	VHiTD62504/-1	Inverter,TD62504	A G
IC801	VHiM5226P//-1	Graphic Equalizer Circuit, M5226P	A G
IC802	VHiM5226P//-1	Graphic Equalizer Circuit. M5226P	A G
	TRANSISTORS		
Q101	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q201	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q202	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q301	VS2SJ103GR/-1	FET,2SJ103 GR	A C
Q302	VS2SJ103GR/-1	FET,2SJ103 GR	A C
Q307	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q308	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q309	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q310	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q311	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q312	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q313	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q314	VSRNC1202//-1	Silicon,NPN,RNC1202	A B
Q315	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q401	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q402	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q403	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q404	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q405	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q406	VS2SC1627Y/-1	Silicon,NPN,2SC1627Y	A D
Q501	VS2SD471-L/-A	Silicon,NPN,2SD471 L	A D
Q502	VS2SD1406Y/-1	Silicon,NPN,2SD1406 Y	A E
Q503	VS2SC1627Y/-1	Silicon,NPN,2SC1627 Y	A D
Q504	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q505	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q506	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q507	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q508	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q509	VS2SA966-Y/-1	Silicon,PNP,2SA966 Y	A D
Q510	VS2SA966-Y/-1	Silicon,PNP,2SA966 Y	A D
Q511	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q512	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q513	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q514	VS2SA966-Y/-1	Silicon,PNP,2SA966 Y	A D
Q515	VS2SA966-Y/-1	Silicon,PNP,2SA966 Y	A D
Q601	VS2SA1048GR-1	Silicon,PNP,2SA1048 GR	A B
Q602	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q604	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q605	VS2SA1048GR-1	Silicon,PNP,2SA1048 GR	A B
Q801	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q802	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q803	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q804	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q805	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q806	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q807	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q808	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q809	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
Q810	VS2SC2458GR-1	Silicon,NPN,2SC2458 GR	A B
	DIODES		
D1	VHD1S2076//-U	Silicon,1S2076	A B
D3	VHD1S2076//-U	Silicon,1S2076	A B
D4	VHD1S2076//-U	Silicon,1S2076	A B
D5	VHD1S2076//-U	Silicon,1S2076	A B
D305	VHD1SS133//-1	Silicon,1SS133	A A
D308/309	VHD1SS201//-1	Silicon,1SS201	A B
D310	VHD1SS133//-1	Silicon,1SS133	A A
D312	VHD1SS133//-1	Silicon,1SS133	A A
D320	VHD1SS133//-1	Silicon,1SS133	A A
D401	VHD1SS133//-1	Silicon,1SS133	A A
D501	VHERD160JB2-1	Zener,16V,RD16JB2	A B
D502	VHERD100JB2-1	Zener,10V,RD10JB2	A B
D503/504	VHD1SS201//-1	Silicon,1SS201	A B
D505	VHD1SS133//-1	Silicon,1SS133	A A
D506/507	VHD1SS200//-1	Silicon,1SS200	A B

REF.NO.	PART NO.	DESCRIPTION	CODE
D508/509	VHD1SS200//-1	Silicon,1SS200	A B
D510/511	VHD1SS201//-1	Silicon,1SS201	A B
D512/513	VHD1SS201//-1	Silicon,1SS201	A B
D514/516	VHD1SS201//-1	Silicon,1SS201	A B
D515/517	VHD1SS201//-1	Silicon,1SS201	A B
D518	VHD1SS133//-1	Silicon,1SS133	A A
D519	VHD1SS133//-1	Silicon,1SS133	A A
D601-606	RH-PX1073AFZZ	LED,Green,Red,6Segment With Holder	A H
D607-612	RH-PX1073AFZZ	LED,Green,Red,6Segment With Holder	A H
D613/614	VHD1SS201//-1	Silicon,1SS201	A B
D615/616	RH-PX1080AFZZ	LED,Red,3Segment With Holder	A G
D618	————	Parts of Ref.D615/616	—
D619	————	Parts of Ref.D621-625	—
D620	VHD1SS133//-1	Silicon,1SS133	A A
D621	VHD1SS133//-1	Silicon,1SS133	A A
D622-626	RH-PX1078AFZZ	LED,Orange,Red,6Segment With Holder	A H
D627	VHD1SS133//-1	Silicon,1SS133	A A
D628/629	VHD1SS201//-1	Silicon,1SS201	A B
D630	VHD1SS133//-1	Silicon,1SS133	A A
D632	VHD1SS133//-1	Silicon,1SS133	A A
D633	VHD1SS133//-1	Silicon,1SS133	A A
D634	VHD1SS133//-1	Silicon,1SS133	A A
D635	VHD1SS133//-1	Silicon,1SS133	A A
D638	VHD1SS133//-1	Silicon,1SS133	A A
D639	VHD1SS133//-1	Silicon,1SS133	A A
D640	VHD1SS133//-1	Silicon,1SS133	A A
D673	VHD1SS133//-1	Silicon,1SS133	A A
⚠D701	VHD4G4B41//-1	Rectifier,4G4B41	A H

FILTERS

CF1	RFiLF0080AFZZ	FM IF,10.7 MHz	A D
CF3	RFiLA0085AFZZ	AM IF,455 kHz H(D/S)	A E
CF3	RFiLA0086AFZZ	AM IF,468 kHz E(D)	A E

TRANSFORMERS

T1	RCiLi0324AFZZ	FM IF	A C
T2	RCiLi0312AFZZ	FM Detector	A C
T3	RCiLi0310AFZZ	AM IF	A C
⚠T701	RTRNP1076AFZZ	Power	A Y

COILS

L1	RCiLA0620AFZZ	Band Pass Filter	A C
L2	RCiLB0672AFZZ	FM RF	A C
L3	RCiLB0672AFZZ	FM Oscillator	A C
L6	RCiLA0562AFZZ	SW Antenna	A C
L7	RCiLA0732AFZZ	LW/MW Bar Antenna	A X
L8	RCiLB0629AFZZ	SW Oscillator	A C
L9	RCiLB0623AFZZ	MW Oscillator	A C
L10	RCiLB0627AFZZ	LW Oscillator	A C
L161	RCiLZ0104AFZZ	6.8 mH	A C
L162	RCiLZ0104AFZZ	6.8 mH	A C
L401	RCiLL0084AFZZ	Dolby NR	A F
L402	RCiLL0084AFZZ	Dolby NR	A F
L551	RCiLF0072AFZZ	Bias Oscillator,510 μH	A C
L552	VC-CH101K0000	100 μH	A B
L581	RCiLF0014AGZZ	47 μH,Choke	A B
L582	RCiLF0014AGZZ	47 μH,Choke	A B

CONTROLS

TC3	RTō-H1072AFZZ	Trimmer,20 pF	A C
TC5	RTō-H1072AFZZ	Trimmer,20 pF	A C
TC6	RTō-H1072AFZZ	Trimmer,20 pF	A C
TC8	RTō-H1067AFZZ	Trimmer,11 pF E(D)	A D
TC8	RTō-H1072AFZZ	Trimmer,20 pF H(D/S)	A C
VC1-4	RVC-R0083AFZZ	Variable Capacitor and Trimmers (TC1,2,4,7)	A N
VC5	RVC-Z0066AFZZ	Fine Tuning	A E
VR1	RVR-M0390AFZZ	5 kohms (B)	A B
VR101	RVR-M0465AFZZ	20 kohms (B)	A B
VR102	RVR-M0465AFZZ	20 kohms (B)	A B
VR103	RVR-M0465AFZZ	20 kohms (B)	A B
VR104	RVR-M0465AFZZ	20 kohms (B)	A B
VR307	RVR-M0464AFZZ	10 kohm	A B
VR308	RVR-M0464AFZZ	10 kohm	A B
VR501	RVR-M0433AFZZ	20 kohms (B)	A B
VR502	RVR-M0433AFZZ	20 kohms (B)	A B
VR503	RVR-M0432AFZZ	10 kohms (B)	A C
VR504	RVR-M0432AFZZ	10 kohms (B)	A C
VR505	RVR-Q0158AFZZ	20 kohms (B)	A F
VR506	RVR-Q0158AFZZ	20 kohms (B)	A F
VR801~810	RVR-Z0190AFZZ	100 kohms (B)	B A

ELECTROLYTIC CAPACITORS

(All electrolytic capacitors are ±20% type.)

C12	RC-EZA336AF1C	33 μF,16V	A B
C15	RC-EZA106AF1C	10 μF,16V	A B
C20	RC-EZA476AF1A	47 μF,10V	A B
C25	RC-EZA107AF1A	100 μF,10V	A B
C26	RC-EZA475AF1E	4.7 μF,25V	A B
C40	RC-EZA106AF1C	10 μF,16V	A B
C41	RC-EZA335AF1H	3.3 μF,50V	A B
C42	RC-EZA105AF1H	1 μF,50V	A B
C44	RC-EZA475AF1E	4.7 μF,25V	A B
C47	RC-EZA105AF1H	1 μF,50V	A B
C48	RC-EZA105AF1H	1 μF,50V	A B
C49	RC-EZA227AF1A	220 μF,10V	A B
C74	RC-EZA106AF1C	10 μF,16V	A B
C75	RC-EZA476AF1A	47 μF,10V	A B
C101	VCEALA1HW475M	4.7 μF,50V	A B
C102	VCEALA1HW475M	4.7 μF,50V	A B
C107	RC-EZA476AF1A	47 μF,10V	A B
C108	RC-EZA476AF1A	47 μF,10V	A B
C111	RC-EZA106AF1C	10 μF,16V	A B
C112	RC-EZA106AF1C	10 μF,16V	A B
C117	RC-EZ1210AFZZ	100 μF,16V	A B
C118	RC-EZA106AF1C	10 μF,16V	A B
C131	VCEALA1HW475M	4.7 μF,50V	A B
C132	VCEALA1HW475M	4.7 μF,50V	A B
C133	RC-EZA476AF1A	47 μF,10V	A B
C134	RC-EZA476AF1A	47 μF,10V	A B
C141	RC-EZA106AF1C	10 μF,16V	A B
C142	RC-EZA106AF1C	10 μF,16V	A B
C145	RC-EZ1210AFZZ	100 μF,16V	A B
C146	RC-EZA106AF1C	10 μF,16V	A B
C201	RC-EZA475AF1E	4.7 μF,25V	A B
C202	RC-EZA475AF1E	4.7 μF,25V	A B
C205	RC-EZA476AF1A	47 μF,10V	A B
C206	RC-EZA476AF1A	47 μF,10V	A B
C211	RC-EZA105AF1H	1 μF,50V	A B
C212	RC-EZA105AF1H	1 μF,50V	A B
C213	RC-EZ1210AFZZ	100 μF,16V	A B
C262	RC-EZ1227AFZZ	220 μF,16V	A B
C263	RC-EZA106AF1C	10 μF,16V	A B
C264	RC-EZA106AF1C	10 μF,16V	A B
C267	RC-EZY224AF1H	0.22 μF,50V	A B
C268	RC-EZY224AF1H	0.22 μF,50V	A B
C269	RC-EZ1210AFZZ	100 μF,16V	A B
C303	RC-EZA106AF1C	10 μF,16V	A B
C304	RC-EZA106AF1C	10 μF,16V	A B
C305	RC-EZA475AF1E	4.7 μF,25V	A B

REF.NO.	PART NO.	DESCRIPTION	CODE
C306	RC-EZA475AF1E	4.7 μF,25V	A B
C307	RC-EZA106AF1C	10 μF,16V	A B
C308	RC-EZ1227AFZZ	220 μF,16V	A B
C309	RC-EZ1209AFZZ	100 μF,16V	A B
C375	RC-EZV475AF1E	4.7 μF,25V	A B
C376	RC-EZA475AF1E	4.7 μF,25V	A B
C379	RC-EZA476AF1A	47 μF,10V	A B
C380	RC-EZA476AF1A	47 μF,10V	A B
C389	RC-EZ1209AFZZ	100 μF,16V	A B
C391	RC-EZA476AF1A	47 μF,10V	A B
C401	RC-EZA474AF1H	0.47 μF,50V	A B
C402	RC-EZA474AF1H	0.47 μF,50V	A B
C403	RC-EZA105AF1H	1 μF,50V	A B
C404	RC-EZA105AF1H	1 μF,50V	A B
C411	RC-EZA475AF1E	4.7 μF,25V	A B
C412	RC-EZA475AF1E	4.7 μF,25V	A B
C415	RC-EZA106AF1C	10 μF,16V	A B
C416	RC-EZA106AF1C	10 μF,16V	A B
C417	RC-EZA106AF1C	10 μF,16V	A B
C418	RC-EZA106AF1C	10 μF,16V	A B
C419	RC-EZA104AF1H	0.1 μF,50V	A B
C420	RC-EZA104AF1H	0.1 μF,50V	A B
C421	RC-EZA334AF1H	0.33 μF,50V	A B
C422	RC-EZA334AF1H	0.33 μF,50V	A B
C423	RC-EZ1227AFZZ	220 μF,16V	A B
C425	RC-EZY224AF1H	0.22 μF,50V	A B
C427	RC-EZV477AF1C	470 μF,16V	A C
C431	RC-EZV474AF1H	0.47 μF,50V	A B
C432	RC-EZV474AF1H	0.47 μF,50V	A B
C451	RC-EZA475AF1E	4.7 μF,25V	A B
C452	RC-EZA475AF1E	4.7 μF,25V	A B
C475	RC-EZY225AF1H	2.2 μF,50V	A B
C476	RC-EZY225AF1H	2.2 μF,50V	A B
C479	RC-EZ1227AFZZ	220 μF,16V	A B
C480	RC-EZY226AF1C	22 μF,16V	A B
C507	RC-EZA475AF1E	4.7 μF,25V	A B
C508	RC-EZA475AF1E	4.7 μF,25V	A B
C509	RC-EZA476AF1A	47 μF,10V	A B
C510	RC-EZA476AF1A	47 μF,10V	A B
C511	RC-EZ1227AFZZ	220 μF,16V	A B
C512	RC-EZ1227AFZZ	220 μF,16V	A B
C513	RC-EZY476AF1C	47 μF,16V	A B
C514	RC-EZY476AF1C	47 μF,16V	A B
C517	RC-EZ1210AFZZ	100 μF,16V	A B
C518	RC-EZ1210AFZZ	100 μF,16V	A B
C521	RC-EZ1210AFZZ	100 μF,16V	A B
C522	RC-EZ1210AFZZ	100 μF,16V	A B
C525	RC-EZA336AF1C	33 μF,16V	A B
C526	RC-EZA336AF1C	33 μF,16V	A B
C527	RC-EZ1259AFZZ	3300 μF,25V	A F
C541	RC-EZA475AF1E	4.7 μF,25V	A B
C543	RC-EZ1210AFZZ	100 μF,16V	A B
C547	RC-EZ1227AFZZ	220 μF,16V	A B
C548	RC-EZ1210AFZZ	100 μF,16V	A B
C552	RC-EZ1210AFZZ	100 μF,16V	A B
C560	RC-EZA336AF1C	33 μF,16V	A B
⚠ C571	RC-EZV476AF1E	47 μF,25V	A B
⚠ C572	RC-EZV476AF1E	47 μF,25V	A B
C573	RC-EZA335AF1H	3.3 μF,50V	A B
C574	RC-EZA335AF1H	3.3 μF,50V	A B
C585	RC-EZV475AF1E	4.7 μF,25V	A B
C601	RC-EZY335AF1H	3.3 μF,50V	A B
C602	RC-EZY335AF1H	3.3 μF,50V	A B
C603	RC-EZY476AF1C	47 μF,16V	A B
C651	RC-EZA475AF1E	4.7 μF,25V	A B
C654	RC-EZA225AF1H	2.2 μF,50V	A B
C656	VCEALA1HW334M	0.33 μF,50V	A B
C657	RC-EZA106AF1C	10 μF,16V	A B
C658	VCEALA1CW106M	10 μF,16V	A B
C663	RC-EZA105AF1H	1 μF,50V	A B
C665	RC-EZA475AF1E	4.7 μF,25V	A B
C666	VCEALA1EW475M	4.7 μF,25V	A B
C669	RC-EZV474AF1H	0.47 μF,50V	A B
C815	RC-EZY224AF1H	0.22 μF,50V	A B
C816	RC-EZY224AF1H	0.22 μF,50V	A B
C819	RC-EZA474AF1H	0.47 μF,50V	A B
C820	RC-EZA474AF1H	0.47 μF,50V	A B
C823	RC-EZA684AF1H	0.68 μF,50V	A B
C824	RC-EZA684AF1H	0.68 μF,50V	A B

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

- Ceramic type capacitor;

A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K)·····J."

- Semiconductor type capacitor;

A symbol "T" is given at the 3rd digit of its Part Number like "VCT·····J." The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows:"J" (±5%), "K" (±10%), "M" (±20%) "N" (±30%), "C" (±0.25 pF), "D" (±0.5 pF), "Z" (+80−20%).
(Tubular type ceramic capacitor is identified by the symbol MF of the part NO VC00MF0000000; this MF does not mean the lead wire.)

	VCTYMF1HV000J	Jumper	A A
C1	VCCSMF1HL100J	10 pF,50V	A A
C2	VCTYMF1HV472K	0.0047 μF,50V	A A
C3	VCTYMF1HV472K	0.0047 μF,50V	A A
C4	VCCCMF1HH240J	24 pF (CH),50V	A A
C6	VCCCMF1HH150J	15 pF (CH),50V	A A
C7	VCCCPU1HH100D	10 pF (CH),50V	A A
C8	VCTYMF1HV152K	0.0015 μF,50V	A A
C9	VCCRMF1HH100J	10 pF (RH),50V	A A
C11	VCCCMF1HH1R0C	1 pF (CH),50V	A A
C13	VCTYMF1CY223N	0.022 μF,16V	A A
C14	VCTYMF1CY223N	0.022 μF,16V	A A
C19	VCTYMF1EX103N	0.01 μF,25V	A A
C21	VCTYMF1CY223N	0.022 μF,16V	A A
C22	VCTYMF1CY223N	0.022 μF,16V	A A
C23	VCKYMF1HB221K	220 pF,50V	A A
C24	VCTYMF1CY223N	0.022 μF,16V	A A
C28	VCCSMF1HL470J	47 pF,50V	A A
C29	VCTYMF1CY223N	0.022 μF,16V	A A
C30	VCTYMF1CY223N	0.022 μF,16V	A A
C43	VCQSMA1HL102J	0.001 μF,50V,±5%,Styrol	A B
C45	VCTYMF1CY223N	0.022 μF,16V	A A
C46	VCTYMF1CY223N	0.022 μF,16V	A A
C61	VCCSMF1HL8R2D	8.2 pF,50V	A A
C62	VCCSMF1HL680J	68 pF,50V	A A
C63	VCCCPV1HH5R0C	5 pF (CH),50V	A A
C64	VCTYMF1HB331J	330 pF,50V	A A
C65	VCCSMF1HL330J	33 pF,50V	A A
C66	VCCCMF1HH200J	20 pF (CH),50V	A A
C68	VCKYMF1HB271J	270 pF,50V	A A
C69	VCCCPV1HH181J	180 pF,50V	A A
C70	VCCCMF1HH390J	39 pF (CH),50V	A A
C71	VCTYMF1HV332K	0.0033 μF,50V	A A
C72	VCTYMF1CY223N	0.022 μF,16V	A A
C73	VCTYMF1CY223N	0.022 μF,16V	A A
C76	VCCCMF1HH6R8D	6.8 pF (CH),50V	A A
C99	VCKYPU1EX223M	0.022 μF,25V	A A
C103	VCKYMF1HB331K	330 pF,50V	A A
C104	VCKYMF1HB331K	330 pF,50V	A A
C105	VCKYMF1HB221K	220 pF,50V	A A
C106	VCKYMF1HB221K	220 pF,50V	A A
C109	VCTYMF1CY223M	0.022 μF,16V	A B
C110	VCTYMF1CY223M	0.022 μF,16V	A B
C113	VCTYMF1CY223M	0.022 μF,16V	A B
C114	VCTYMF1CY223M	0.022 μF,16V	A B

REF.NO.	PART NO.	DESCRIPTION	CODE
C115	VCTYMF1EX123K	0.012 μF,25V	A A
C116	VCTYMF1EX123K	0.012 μF,25V	A A
C135	VCKYMF1HB391K	390 pF,50V	A A
C136	VCKYMF1HB391K	390 pF,50V	A A
C137	VCKYMF1HB221K	220 pF,50V	A A
C138	VCKYMF1HB221K	220 pF,50V	A A
C139	VCTYMF1CY223M	0.022 μF,16V	A B
C140	VCTYMF1CY223M	0.022 μF,16V	A B
C143	VCTYMF1CY223M	0.022 μF,16V	A B
C144	VCTYMF1CY223M	0.022 μF,16V	A B
C203	VCKYMF1HB221K	220 pF,50V	A A
C204	VCKYMF1HB221K	220 pF,50V	A A
C207	VCTYMF1CY223M	0.022 μF,16V	A B
C208	VCTYMF1CY223M	0.022 μF,16V	A B
C209	VCTYMF1EX103K	0.01 μF,25V	A A
C210	VCTYMF1EX103K	0.01 μF,25V	A A
C265	VCKYMF1HB221K	220 pF,50V	A A
C266	VCKYMF1HB221K	220 pF,50V	A A
C271	VCTYMF1CY223M	0.022 μF,16V	A B
C272	VCTYMF1CY223M	0.022 μF,16V	A B
C301	VCKYMF1HB681K	680 pF,50V	A A
C302	VCKYMF1HB681K	680 pF,50V	A A
C371	VCKYMF1HB102K	0.001 μF,50V	A A
C372	VCKYMF1HB102K	0.001 μF,50V	A A
C373	VCKYMF1HV332K	0.0033 μF,50V	A A
C374	VCKYMF1HV332K	0.0033 μF,50V	A A
C377	VCTYMF1HV332K	0.0033 μF,50V	A A
C378	VCTYMF1HV332K	0.0033 μF,50V	A A
C381	VCTYMF1EX562K	0.0056 μF,25V	A A
C382	VCTYMF1EX562K	0.0056 μF,25V	A A
C383	VCTYMF1EX103K	0.01 μF,25V	A A
C384	VCTYMF1EX103K	0.01 μF,25V	A A
C385	VCKYMF1HB221K	220 pF,50V	A A
C386	VCKYMF1HB221K	220 pF,50V	A A
C392	VCTYPV1EX333K	0.033 μF,25V	A B
C405	VCKYMF1HB821K	820 pF,50V	A A
C406	VCKYMF1HB821K	820 pF,50V	A A
C407	VCTYPA1EX472J	0.0047 μF,25V	A A
C408	VCTYPA1EX472J	0.0047 μF,25V	A A
C409	VCTYPA1EX562J	0.0056 μF,25V	A A
C410	VCTYPA1EX562J	0.0056 μF,25V	A A
C413	VCTYPA1EX473J	0.047 μF,25V	A B
C414	VCTYPA1EX473J	0.047 μF,25V	A B
C426	VCTYPV1EX223M	0.022 μF,25V	A A
C428	VCTYPA1EX273J	0.027 μF,25V	A B
C429	VCTYPA1EX273J	0.027 μF,25V	A B
C453	VCTYMF1HV472K	0.047 μF,50V	A A
C454	VCTYMF1HV472K	0.047 μF,50V	A A
C477	VCKYMF1HB102K	0.001 μF,50V	A A
C478	VCKYMF1HB102K	0.001 μF,50V	A A
C501	VCKYMF1HB102K	0.001 μF,50V	A A
C502	VCKYMF1HB102K	0.001 μF,50V	A A
C505	VCTYPA1CX104M	0.1 μF,16V	A B
C506	VCTYPA1CX104M	0.1 μF,16V	A B
C519	VCKZPV1HF103Z	0.01 μF,50V	A A
C520	VCKZPV1HF103Z	0.01 μF,50V	A A
C523	RC-QZA154AFYK	0.15 μF,25V,±10%,Mylar	A C
C524	RC-QZA154AFYK	0.15 μF,25V,±10%,Mylar	A C
C528	VCKZPV1HF104Z	0.1 μF,50V	A C
C542	VCKZPA1HF103Z	0.01 μF,50V	A A
C544	VCKZPA1HF103Z	0.01 μF,50V	A A
C545	VCKZPA1HF103Z	0.01 μF,50V	A A
C546	VCKZPA1HF103Z	0.01 μF,50V	A A
C551	VCKZPA1HF103Z	0.01 μF,50V	A A
C553	VCQYKA1HM103M	0.01 μF,50V,±20%,Mylar	A A
C554	VCQPKQ2AA472J	0.0047 μF,100V,±5%, Polypropiene	A B
C555	VCQYKV1HM103K	0.01 μF,50V,±20%,Mylar	A A
C556	VCCSMF1HL101J	100 pF,50V	A A
C557	VCKYMF1HB681K	680 pF,50V	A A
C558	VCTYPA1EX473J	0.047 μF,25V	A B
C561	VCKYMF1HB221K	220 pF,50V	A A
C562	VCKYMF1HB221K	220 pF,50V	A A
C563	VCKYMF1HD122M	0.0012 μF,50V	A A
C564	VCCSPU1HL221K	220 pF,50V	A A
C565	VCCSPU1HL151K	150 pF,50V	A A
C566	VCCSPU1HL121J	120 pF,50V	A A
C575	RC-QZA154AFYK	0.15 μF,25V,±10%,Mylar	A C
C576	RC-QZA154AFYK	0.15 μF,25V,±10%,Mylar	A C
C652	VCTYPA1EX103K	0.01 μF,25V	A A
C653	VCTYPA1EX103K	0.01 μF,25V	A A
C655	VCKYBT1HB102K	0.001 μF,50V	A A
C660	VCTYPA1EX473K	0.047 μF,25V	A A
C661	VCCSPA1HL390J	39 pF,50V	A A
C662	VCKYPA1HB102K	0.001 μF,50V	A A
C664	VCTYPA1EX103K	0.01 μF,25V	A A
C671	VCKYPA1HB821K	820 pF,50V	A A
C672	VCTYPA1EX333K	0.033 μF,25V	A A
C673	VCTYPA1EX473K	0.047 μF,25V	A A
C674	VCKZPU1HF103Z	0.01 μF,50V	A A
C675	VCCSPV1HL471J	470 pF,50V	A A
⚠ C701	VCKZPV1HF104Z	0.1 μF,50V	A C
⚠ C702	VCKZPV1HF104Z	0.1 μF,50V	A C
⚠ C703	VCKZPV1HF104Z	0.1 μF,50V	A C
⚠ C704	VCKZPV1HF104Z	0.1 μF,50V	A C
⚠ C705	VCKZPV1HF104Z	0.1 μF,50V	A C
C801	VCTYMF1EX682K	0.0068 μF,25V	A A
C802	VCTYMF1EX682K	0.0068 μF,25V	A A
C803	VCTYPA1CX683M	0.068 μF,16V	A A
C804	VCTYPA1CX683M	0.068 μF,16V	A A
C807	VCTYMF1EX123K	0.012 μF,25V	A A
C808	VCTYMF1EX123K	0.012 μF,25V	A A
C809	VCFYHU1HA124J	0.12 μF,50V	A B
C810	VCFYHU1HA124J	0.12 μF,50V	A B
C813	VCTYMF1CY223M	0.022 μF,16V	A B
C814	VCTYMF1CY223M	0.022 μF,16V	A B
C817	VCTYPV1EX333K	0.033 μF,25V	A B
C818	VCTYPV1EX333K	0.033 μF,25V	A B
C821	VCTYPA1CX683M	0.068 μF,16V	A A
C822	VCTYPA1CX683M	0.068 μF,16V	A A
C825	VCKYMF1HB391K	390 pF,50V	A A
C826	VCKYMF1HB391K	390 pF,50V	A A
C827	VCTYMF1HV392K	0.0039 μF,50V	A A
C828	VCTYMF1HV392K	0.0039 μF,50V	A A
C829	VCKYMF1HB681K	680 pF,50V	A A
C830	VCKYMF1HB681K	680 pF,50V	A A
C831	VCTYMF1EX682K	0.0068 μF,25V	A A
C832	VCTYMF1EX682K	0.0068 μF,25V	A A
C833	VCKYMF1HD122M	0.0012 μF,50V	A A
C834	VCKYMF1HD122M	0.0012 μF,50V	A A
C835	VCTYMF1EX153M	0.015 μF,25V	A A
C836	VCTYMF1EX153M	0.015 μF,25V	A A
C837	VCTYMF1HV222K	0.0022 μF,50V	A A
C838	VCTYMF1HV222K	0.0022 μF,50V	A A
C839	VCTYMF1CY223M	0.022 μF,16V	A B
C840	VCTYMF1CY223M	0.022 μF,16V	A B
C841	VCTYMF1HV332K	0.0033 μF,50V	A A
C842	VCTYMF1HV332K	0.0033 μF,50V	A A
C843	VCTYPV1EX393K	0.039 μF,25V	A B
C844	VCTYPV1EX393K	0.039 μF,25V	A B
C845	VCTYPU1EX102K	0.001 μF,25V	A A
C846	VCKYMF1HB102K	0.001 μF,25V	A A

RESISTORS

(Unless otherwise specified, resistors are ±5%,carbon type.) (Tubular type carbon film resistor ±5% is identified the symbol MF of the part NO. VRD-MF0000000; this MF does not mean lead wire.)

REF.NO.	PART NO.	DESCRIPTION	CODE
	VRD-MF2EE000C	0 ohm,1/4W,Jumper	A A
R1	VRD-MF2EE391J	390 ohms,1/4W	A A
R4	VRD-MF2EE824J	820 kohms,1/4W	A A
R5	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R6	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R7	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R8	VRD-MF2EE330J	33 ohms,1/4W	A A
R9	VRD-MF2EE471J	470 ohms,1/4W	A A
R10	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R11	VRD-MF2EE471J	470 ohms,1/4W	A A
R12	VRD-MF2EE331J	330 ohms,1/4W	A A
R41	VRD-MF2EE102J	1 kohm,1/4W	A A
R42	VRD-MF2EE103J	10 kohm,1/4W	A A
R43	VRD-MF2EE224J	220 kohms,1/4W	A A
R44	VRD-MF2EE471J	470 ohms,1/4W	A A
R45	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R46	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R47	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R48	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R61	VRD-MF2EE101J	100 ohm,1/4W	A A
R62	VRD-MF2EE330J	33 ohms,1/4W	A A
R63	VRD-MF2EE330J	33 ohms,1/4W	A A
R65	VRD-MF2EE221J	220 ohms,1/4W	A A
R99	VRD-ST2CD681J	680 ohms,1/6W	A A
R101	VRD-MF2EE102J	1 kohm,1/4W	A A
R102	VRD-MF2EE102J	1 kohm,1/4W	A A
R105	VRD-MF2EE680J	68 ohms,1/4W	A A
R106	VRD-MF2EE680J	68 ohms,1/4W	A A
R107	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R108	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R109	VRD-MF2EE154J	150 kohms,1/4W	A A
R110	VRD-MF2EE154J	150 kohms,1/4W	A A
R111	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R112	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R113	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R114	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R115	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R116	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R117	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R118	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R119	VRD-MF2EE153J	15 kohms,1/4W	A A
R120	VRD-MF2EE153J	15 kohms,1/4W	A A
R123	VRD-MF2EE104J	100 kohm,1/4W	A A
R124	VRD-MF2EE104J	100 kohm,1/4W	A A
R125	VRD-MF2EE561J	560 ohms,1/4W	A A
R127	VRD-MF2EE153J	15 kohms,1/4W	A A
R131	VRD-MF2EE102J	1 kohm,1/4W	A A
R132	VRD-MF2EE102J	1 kohm,1/4W	A A
R135	VRD-MF2EE820J	820 ohms,1/4W	A A
R136	VRD-MF2EE820J	820 ohms,1/4W	A A
R137	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R138	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R139	VRD-MF2EE154J	150 kohms,1/4W	A A
R140	VRD-MF2EE154J	150 kohms,1/4W	A A
R141	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R142	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R143	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R144	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R145	VRD-MF2EE470J	47 ohms,1/4W	A A
R146	VRD-MF2EE470J	47 ohms,1/4W	A A
R147	VRD-MF2EE153J	15 kohms,1/4W	A A
R148	VRD-MF2EE153J	15 kohms,1/4W	A A
R151	VRD-MF2EE561J	560 ohms,1/4W	A A
R201	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R202	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R203	VRD-MF2EE563J	56 kohms,1/4W	A A
R204	VRD-MF2EE563J	56 kohms,1/4W	A A
R205	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R206	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R209	VRD-MF2EE154J	150 kohms,1/4W	A A
R210	VRD-MF2EE154J	150 kohms,1/4W	A A
R211	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R212	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R213	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R214	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R215	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R216	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R219	VRD-MF2EE104J	100 kohm,1/4W	A A
R220	VRD-MF2EE104J	100 kohm,1/4W	A A
R221	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R222	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R223	VRD-MF2EE561J	560 ohms,1/4W	A A
R251	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R252	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R271	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R277	VRD-MF2EE100J	10 ohm,1/4W	A A
R278	VRD-MF2EE100J	10 ohm,1/4W	A A
R279	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R280	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R281	VRD-MF2EE684J	680 kohms,1/4W	A A
R282	VRD-MF2EE684J	680 kohms,1/4W	A A
R283	VRD-MF2EE220J	22 ohms,1/4W	A A
R284	VRD-MF2EE220J	22 ohms,1/4W	A A
R286	VRD-MF2EE102J	1 kohm,1/4W	A A
R287	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R288	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R289	VRD-MF2EE102J	1 kohm,1/4W	A A
R301	VRD-MF2EE103J	10 kohm,1/4W	A A
R302	VRD-MF2EE103J	10 kohm,1/4W	A A
R303	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R304	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R305	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R306	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R307	VRD-MF2EE473J	47 kohms,1/4W	A A
R308	VRD-MF2EE473J	47 kohms,1/4W	A A
R309	VRD-MF2EE153J	15 kohms,1/4W	A A
R310	VRD-MF2EE153J	15 kohms,1/4W	A A
R313	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R314	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R315	VRD-ST2CD102J	1 kohm,1/6W	A A
R316	VRD-MF2EE684J	680 kohms,1/4W	A A
R320	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R321	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R325	VRD-MF2EE473J	47 kohms,1/6W	A A
R328	VRD-ST2CD104J	100 kohm,1/6W	A A
R329	VRD-MF2EE684J	680 kohms,1/4W	A A
R330	VRD-MF2EE103J	10 kohm,1/4W	A A
R332	VRD-MF2EE331J	330 ohms,1/4W	A A
R334	VRD-MF2EE103J	10 kohm,1/4W	A A
R336	VRD-ST2EE184J	180 kohms,1/4W	A A
R338	VRD-SU2CD473J	47 kohms,1/6W	A A
R339	VRD-MF2EE103J	10 kohm,1/4W	A A
R340	VRD-MF2EE103J	10 kohm,1/4W	A A
R341	VRD-ST2CD103J	10 kohm,1/6W	A A
R342	VRD-MF2EE103J	10 kohm,1/4W	A A
R353	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R354	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R357	VRD-MF2EE153J	15 kohms,1/4W	A A
R358	VRD-MF2EE153J	15 kohms,1/4W	A A
R359	VRD-MF2EE121J	120 ohms,1/4W	A A
R361	VRD-MF2EE821J	820 ohms,1/4W	A A
R362	VRD-MF2EE821J	820 ohms,1/4W	A A
R371	VRD-MF2EE153J	15 kohms,1/4W	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
R372	VRD-MF2EE153J	15 kohms,1/4W	A A
R377	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R378	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R379	VRD-MF2EE392J	3.9 kohms,1/4W	A A
R380	VRD-MF2EE392J	3.9 kohms,1/4W	A A
R383	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R384	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R385	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R386	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R387	VRD-MF2EE271J	270 ohms,1/4W	A A
R388	VRD-MF2EE271J	270 ohms,1/4W	A A
R389	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R390	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R393	VRD-MF2EE473J	47 kohms,1/4W	A A
R394	VRD-MF2EE473J	47 kohms,1/4W	A A
R395	VRD-MF2EE271J	270 ohms,1/4W	A A
R396	VRD-ST2CD103J	10 kohm,1/6W	A A
R397	VRD-SU2EE223J	22 kohms,1/4W	A A
R401	VRD-MF2EE104J	100 kohm,1/4W	A A
R402	VRD-MF2EE104J	100 kohm,1/4W	A A
R403	VRD-MF2EE154J	1.5 kohms,1/4W	A A
R404	VRD-MF2EE154J	1.5 kohms,1/4W	A A
R405	VRD-MF2EE274J	270 kohms,1/4W	A A
R406	VRD-MF2EE274J	270 kohms,1/4W	A A
R407	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R408	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R409	VRD-MF2EE473J	47 kohms,1/4W	A A
R410	VRD-MF2EE473J	47 kohms,1/4W	A A
R411	VRD-MF2EE181J	180 ohms,1/4W	A A
R412	VRD-MF2EE181J	180 ohms,1/4W	A A
R413	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R414	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R415	VRD-MF2EE103J	10 kohm,1/4W	A A
R416	VRD-MF2EE123J	12 kohms,1/4W	A A
R417	VRD-MF2EE153J	15 kohms,1/4W	A A
R418	VRD-MF2EE473J	47 kohms,1/4W	A A
⚠R419	VRG-ST2EF390J	39 ohms,1/4W,±5%, Fusible	A B
R420	VRD-MF2EE473J	47 kohms,1/4W	A A
R425	VRD-MF2EE223J	22 kohms,1/4W	A A
R426	VRD-MF2EE223J	22 kohms,1/4W	A A
R427	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R428	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R429	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R430	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R431	VRD-MF2EE183J	18 kohms,1/4W	A A
R432	VRD-MF2EE183J	18 kohms,1/4W	A A
R433	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R434	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R435	VRD-MF2EE473J	47 kohms,1/4W	A A
R451	VRD-MF2EE271J	270 ohms,1/4W	A A
R453	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R454	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R495	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R496	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R498	VRD-MF2EE102J	1 kohm,1/4W	A A
R499	VRD-MF2EE102J	1 kohm,1/4W	A A
R501	VRD-MF2EE333J	33 kohms,1/4W	A A
R502	VRD-MF2EE333J	33 kohms,1/4W	A A
R503	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R504	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R505	VRD-MF2EE470J	47 ohms,1/4W	A A
R506	VRD-MF2EE470J	47 ohms,1/4W	A A
R507	VRD-MF2EE681J	680 ohms,1/4W	A A
R508	VRD-MF2EE681J	680 ohms,1/4W	A A
R511	VRD-MF2EE2R2J	2.2 ohms,1/4W	A A
R512	VRD-MF2EE2R2J	2.2 ohms,1/4W	A A
R513	VRD-MF2EE221J	220 ohms,1/4W	A A
R514	VRD-MF2EE221J	220 ohms,1/4W	A A
⚠R541	VRG-ST2EG3R9J	3.9 ohms,1/4W,Fusible	A B
R542	VRD-MF2EE471J	470 ohms,1/4W	A A
R543	VRD-MF2EE221J	220 ohms,1/4W	A A
⚠R545	VRG-ST2EG3R9J	3.9 ohms,1/4W,±5%, Fusible	A B
R546	VRD-MF2EE471J	470 ohms,1/4W	A A
R547	VRD-MF2EE221J	220 ohms,1/4W	A A
R551	VRD-MF2EE181J	180 ohms,1/4W	A A
R552	VRD-MF2EE221J	220 ohms,1/4W	A A
R554	VRD-MF2EE563J	56 kohms,1/4W	A A
R555	VRD-MF2EE103J	10 kohm,1/4W	A A
R556	VRD-MF2EE4R7J	4.7 ohms,1/4W	A A
R557	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R558	VRD-MF2EE474J	470 kohms,1/4W	A A
R559	VRD-MF2EE122J	1.2 kohms,1/4W	A A
R560	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R571	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R572	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R573	VRD-MF2EE101J	100 ohm,1/4W	A A
R574	VRD-MF2EE101J	100 ohm,1/4W	A A
R575	VRD-MF2EE224J	220 kohms,1/4W	A A
R576	VRD-MF2EE224J	220 kohms,1/4W	A A
R579	VRD-MF2EE183J	18 kohms,1/4W	A A
R580	VRD-MF2EE183J	18 kohms,1/4W	A A
R581	VRD-MF2EE473J	47 kohms,1/4W	A A
R582	VRD-MF2EE473J	47 kohms,1/4W	A A
R583	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R584	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R585	VRD-ST2CD103J	10 kohm,1/6W	A A
R587	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R588	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R589	VRD-MF2EE473J	47 kohms,1/4W	A A
R590	VRD-MF2EE473J	47 kohms,1/4W	A A
R591	VRD-MF2EE333J	33 kohms,1/4W	A A
R592	VRD-MF2EE333J	33 kohms,1/4W	A A
⚠R593	VRG-ST2EG4R7J	4.7 ohms,1/4W,±5%, Fusible	A B
⚠R594	VRG-ST2EG4R7J	4.7 ohms,1/4W,±5%, Fusible	A B
R595	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R596	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R601	VRD-ST2CD272J	2.7 kohms,1/6W	A A
R602	VRD-ST2CD272J	2.7 kohms,1/6W	A A
R603	VRD-ST2CD471J	470 ohms,1/6W	A A
R604	VRD-ST2CD471J	470 ohms,1/6W	A A
R605	VRD-ST2CD471J	470 ohms,1/6W	A A
R606	VRD-ST2CD471J	470 ohms,1/6W	A A
R607	VRD-ST2CD331J	330 ohms,1/6W	A A
R608	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R609	VRD-ST2CD100J	10 ohm, 1/6W H(D/S)	A A
R610	VRD-ST2CD272J	2.7 kohms,1/6W	A A
R611	VRD-ST2CD272J	2.7 kohms,1/6W	A A
R612	VRD-ST2CD821J	820 ohms,1/6W	A A
R613	VRD-ST2CD152J	1.5 kohms,1/6W	A A
R614	VRD-ST2CD102J	1 kohm,1/6W	A A
R616	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R617	VRD-ST2CD561J	560 ohms,1/6W	A A
R651	VRD-ST2CD223J	22 kohms,1/6W	A A
R652	VRD-ST2CD102J	1 kohm,1/6W	A A
R653	VRD-ST2CD102J	1 kohm,1/6W	A A
R654	VRD-ST2CD680J	68 ohms,1/6W	A A
R655	VRD-ST2CD103J	10 kohm,1/6W	A A
R656	VRD-ST2CD473J	47 kohms,1/6W	A A
R657	VRD-ST2CD273J	27 kohms,1/6W	A A
R659	VRD-ST2CD473J	47 kohms,1/6W	A A
R661	VRD-ST2CD223J	22 kohms,1/6W	A A
R662	VRD-ST2CD102J	1 kohm,1/6W	A A
R663	VRD-ST2CD682J	6.8 kohms,1/6W	A A
R664	VRD-ST2CD103J	10 kohm,1/6W	A A
R665	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R666	VRD-ST2CD272J	2.7 kohms,1/6W	A A
⚠R609	VRG-ST2EF100J	10 ohms, 1/4W, ±5%, Fusible E(D)	A B
R667	VRD-ST2CD224J	220 kohms,1/6W	A A
R668	VRD-ST2CD393J	39 kohms,1/6W	A A
R669	VRD-ST2CD102J	1 kohm,1/6W	A A
R670	VRD-ST2CD104J	100 kohm,1/6W	A A
R671	VRD-ST2CD823J	82 kohms,1/6W	A A
R672	VRD-ST2CD223J	22 kohms,1/6W	A A
R673	VRD-ST2CD394J	390 kohms,1/6W	A A
R674	VRD-ST2CD682J	6.8 kohms,1/6W	A A
R675	VRD-ST2CD102J	1 kohm,1/6W	A A
R676	VRD-ST2CD393J	39 kohms,1/6W	A A
R677	VRD-ST2CD334J	330 kohms,1/6W	A A
R678	VRD-ST2CD102J	1 kohm,1/6W	A A
R679	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R680	VRD-ST2CD561J	560 ohms,1/6W	A A
R801	VRD-MF2EE683J	68 kohms,1/4W	A A
R802	VRD-MF2EE683J	68 kohms,1/4W	A A
R803	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R804	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R805	VRD-MF2EE102J	1 kohm,1/4W	A A
R806	VRD-MF2EE102J	1 kohm,1/4W	A A
R807	VRD-MF2EE683J	68 kohms,1/4W	A A
R808	VRD-MF2EE683J	68 kohms,1/4W	A A
R809	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R810	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R811	VRD-MF2EE102J	1 kohm,1/4W	A A
R812	VRD-MF2EE102J	1 kohm,1/4W	A A
R813	VRD-MF2EE683J	68 kohms,1/4W	A A
R814	VRD-MF2EE683J	68 kohms,1/4W	A A
R815	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R816	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R817	VRD-MF2EE102J	1 kohm,1/4W	A A
R818	VRD-MF2EE102J	1 kohm,1/4W	A A
R819	VRD-MF2EE683J	68 kohms,1/4W	A A
R820	VRD-MF2EE683J	68 kohms,1/4W	A A
R821	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R822	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R823	VRD-MF2EE102J	1 kohm,1/4W	A A
R824	VRD-MF2EE102J	1 kohm,1/4W	A A
R825	VRD-MF2EE683J	68 kohms,1/4W	A A
R826	VRD-MF2EE683J	68 kohms,1/4W	A A
R827	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R828	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R829	VRD-MF2EE102J	1 kohm,1/4W	A A
R830	VRD-MF2EE102J	1 kohm,1/4W	A A

OTHER CIRCUITRY PARTS

	QCNW-2673AFZZ	Connector,2-2Pin	A D
CNP1	QCNCM583BAFZZ	Plug,2Pin	A A
CNP2	QCNCM656FAFZZ	Plug,6Pin	A B
CNP101	QCNCM136CAFZZ	Plug,3Pin	A B
CNP102	QCNCM184EAFZZ	Plug,5Pin	A C
CNP401	QCNCM095BAFZZ	Plug,2Pin	A B
CNP501	QCNCM591KAFZZ	Plug,10Pin	A C
CNP502	QCNCM589HAFZZ	Plug,8Pin	A B
CNP601	QCNCM656GAFZZ	Plug,7Pin	A C
CNP602	QCNCM656HAFZZ	Plug,8Pin	A C
CNP701	QCNCM462BAFZZ	Plug,3Pin	A A
CNS1	QCNW-2641AFZZ	Connector,2Pin	A C
CNS101/501	QCNW-2608AFZZ	Connector,10-3Pin	A H
CNS102/502	QCNW-2609AFZZ	Connector,8-3-2Pin	A H
CNS401	QCNW-2882AFZZ	Connector,2Pin	A C
CNS701	QCNW-2613AFZZ	Connector,2Pin	A E
⚠F701	QFS-C312GAFNi	Fuse, 3.15A E(D)	A D
⚠F701	QFS-C322FAFNi	Fuse,3.15AT H(D/S)	A D
⚠F701	QFS-C322GAFNi	Fuse, 3.15A E(D)	A D
J201	QJAKZ0182AFZZ	Jack,Phono/Line Input	A H
J202	QJAKE0111AFZZ	Jack,External Mixing Microphone	A D
J203	QJAKE0111AFZZ	Jack,External Mixing Microphone	A D
J501	QSŌCD2282AFZZ	Jack,External Speaker	A D
J502	QSŌCD2268AFZZ	Jack,External Speaker	A D
J503	QJAKJ0106AFZZ	Jack,Headphones	A F
⚠MO501	RMŌTV0110AF03	Motor	A V
⚠MO502	RMŌTV0110AF03	Motor	A V
⚠SO701	QSŌCE0563AFZZ	AC Power Supply Socket	A H
SOL501	RPLU-0182AFZZ	Solenoid	A G
SW1	QSW-B0187AFZZ	Switch,Slide Type	A M
SW2	QSW-P0563AFZZ	Switch,Push Type	A G
SW3	QSW-S0442AFZZ	Switch,Slide Type	A E
SW4~8	QSW-P0559AFZZ	Switch,Push Type,5 Segment	A N
SW9~12, 18	QSW-P0573AFZZ	Switch,Push Type,5 Segment	A P
SW14	QSW-S0309AFZZ	Switch,Slide Type	A F
SW15	QSW-S0267AFZZ	Switch,Slide Type	A D
SW22	QSW-F0199AFZZ	Switch,Leaf Type	A B
SW23	QSW-F0197AFZZ	Switch,Leaf Type	A C
SW24	QSW-F0197AFZZ	Switch,Leaf Type	A C
SW25	QSW-F0199AFZZ	Switch,Leaf Type	A B
SW26	QSW-F0197AFZZ	Switch,Leaf Type	A C
SW27	QSW-K0050AFZZ	Switch,Push Type	A C
SW28	QSW-K0050AFZZ	Switch,Push Type	A C

MECHANICAL PARTS

1	JKNBR0444AFSA	Button,Play/Stop	A D
2	JKNBR0445AFSA	Button,Rewind/Pause	A D
3	JKNBR0446AFSA	Button,Fast-forward/Record	A D
4	LANGF0863AFFW	Bracket,Button	A D
5	LANGF0864AFZZ	Bracket,Flywheel,Deck1	A E
5	LANGF0864AF01	Bracket,Flywheel,Deck2	A E
6	LANGQ0927AFFW	Bracket,Solenoid	A B
7	LBSHZ0086AFZZ	Cushion,Motor	A A
8	————	Main Chassis	—
9	LCHSS0201AFFW	Head Plate	A D
10	LCHSZ0163AFZZ	Full Auto Base	A D
11	LDAiH0063AF00	Head Base	A B
12	MSPRT1074AFFJ	Spring,Record Sensor Lever	A A
13	LPLTM0148AFZZ	Plate,Lever Guide	A E
14	LPLTP0068AF00	Clutch Plate,Auto Stop	A B
15	LRTNP0058AFZZ	Stopper	A A
16	LHLDW1075AFZZ	Wire Holder	A A
17	LHLDW3056AFZZ	Wire Holder	A A
19	LSLVM0178AFFD	Sleeve	A C
23	MARMM0069AFZZ	Lever,PAD	A C
24	MARMP0024AF00	Lever,Swing	A B
25	MCAMP0060AF00	Cam,PAD	A B
26	MCAMP0061AF00	Cam,Full Auto	A B
27	MLEVF1616AFFW	Lever,Play	A B
28	MLEVF1617AFFW	Lever,Rewind	A B
29	MLEVF1618AFFW	Lever,Fast-forward	A B
30	MLEVF1619AFFW	Lever,Stop	A B
31	MLEVF1620AFZZ	Lever,Pause	A B
32	MLEVF1621AFFW	Lever,Eject	A A
33	MLEVF1622AFFW	Lever,Interlocking	A B
34	MLEVF1623AFFW	Lever,Main Lock	A C
35	MLEVF1624AFFW	Lever,Switch	A C
36	MLEVF1625AFFW	Lever,APSS Lock	A B
37	MLEVF1626AFFW	Release Lever,Play Idler	A B
38	MLEVF1627AFFW	Lever,Eject	A C
39	MLEVP0482AFZZ	Deck1 Head,Dummy	A B
40	MLEVP0502AFZZ	Lever,Pause Lock	A B
41	MLEVP0518AFZZ	Lever,Fast-forward/Rewind	A K

REF.NO.	PART NO.	DESCRIPTION	CODE
42	MLEVP0519AF00	Lever,Full Auto Sensor	A A
43	MLEVP0520AF00	Lever,Play Lock	A A
44	MLEVP0521AF00	Lever,Stop Lock	A A
45	MLEVP0522AF01	Lever,Brake	A C
46	MLEVP0523AF00	Lever,Button	A B
47	MLEVP0524AF00	Lever,APSS Switch	A A
48	MLEVP0525AF00	Lever,Pause Coupler	A B
49	MLEVP0526AF00	Lever,Full Auto Killer	A B
50	MLEVP0553AF00	Lever,Stop Killer	A C
51	MSPRC0492AFFJ	Spring,Lever Return	A A
52	MSPRC0455AFFJ	Spring,Lever Return	A A
53	MSPRC0456AFFJ	Spring,Azimuth	A A
54	MSPRC0457AFFJ	Spring,Back Tention	A A
55	MSPRC0458AFFJ	Spring,Pause Lock Lever	A A
56	MSPRC0459AFFJ	Spring,Flywheel	A A
57	MSPRC0460AFFJ	Spring,Interlocking Lever	A A
58	MSPRC0461AFFJ	Spring,Solenoid	A A
59	MSPRC0462AFFJ	Spring,Auto Stop Clutch	A A
60	MSPRD0570AFFJ	Spring,Pinch Roller	A A
61	MSPRD0571AFFJ	Spring,PAD Lever	A A
62	MSPRD0572AFFJ	Spring,Head Base Release	A A
63	MSPRD0573AFFJ	Spring,Cam Lock	A A
64	MSPRD0574AFFJ	Spring,PAD Cam	A A
65	MSPRD0575AFFJ	Spring,Swing Lever	A A
66	MSPRD0576AFFJ	Spring,Full Auto Killer Lever	A A
67	MSPRD0577AFFJ	Spring,Full Auto Killer	A A
69	MSPRP0395AFFW	Plate Spring,Cassette Press	A A
70	MSPRT1070AFFJ	Spring,Fast-forward/ Rewind Gear	A A
71	MSPRT1071AFFJ	Spring,Playback Idler	A A
72	MSPRT1072AFFJ	Spring,Main Lock Plate	A A
73	MSPRT1073AFFJ	Spring,Switch Lever	A A
74	NBLTK0289AF00	Belt,Motor,Large	A B
75	NBLTK0290AF00	Belt,Motor,Small	A B
76	NBLTK0291AF00	Belt,Full Auto Gear	A B
77	NDAiR0185AFZZ	Take-up Turntable	A E
78	NDAiR0186AF00	Supply Turntable	A B
79	NFLYC0120AFZZ	Flywheel	A G
80	NGERH0149AF00	Gear,Fast-forward	A B
81	NGERH0144AF00	Gear,Flywheel	A B
82	NiDR-0088AFZZ	Idler,Playback	A E
83	NPLYR0106AF00	Pulley,Full Auto Gear	A B
84	NRōLY0065AFZZ	Pinch Roller Assembly	A E
85	NSFTT0304AFFD	Shaft,Button Lever	A D
86	NSFTT0305AFFD	Shaft,Solenoid	A B
87	PCUSF0029AFZZ	Felt,Clutch	A A
88	PGiDP0002AF00	Lever Guide,Left	A C
89	PGiDP0003AFZZ	Lever Guide,Right	A C
90	RHEDF0089AFZZ	Playback Head	A M
91	MLEVF1628AFFW	Lever,Record	A B
92	MLEVF1629AFFW	Lever,Record Sensor	A C
94	MLEVP0527AF00	Lever,Erase Prevention	A A
95	MSPRD0614AFFJ	Spring,Record Switch Lever	A B
98	RHEDA0095AFZZ	Erase Head	A H
99	RHEDH0132AFZZ	Record/Playback Head	A M
100	MSPRD0597AFFJ	Spring,Stop Killer Lever	A A
101	MLEVF1672AFFW	Lever,Record/Playback Changeover	A C
102	MLEVF1707AFFW	Lever,Record	A C
103	PCōVZ3053AFZZ	Shied Plate,Motor	A C
104	LPLTM0159AFFW	Prevention Plate	A A
501	LX-BZ0451AFFD	Screw,ϕ2×6mm	A A
502	LX-HZ0137AFFD	Screw,ϕ2.6×21.1mm	A B
503	LX-HZ0138AFFD	Screw,ϕ2×4.3mm	A B
504	LX-HZ0139AFFD	Screw,ϕ2.6×9.8mm	A B
505	LX-HZ0141AFFD	Screw,ϕ2.6×3.3mm	A B
506	LX-HZ0142AFFD	Screw,ϕ2×9mm	A A
507	LX-HZ0143AFFD	Screw,ϕ2×8mm	A A
508	LX-WZ1076AF00	Washer,ϕ2.1×ϕ4.1×0.25mm	A A
509	LX-WZ1086AFZZ	Washer,ϕ1.5×ϕ3.5×0.5mm	A A
510	LX-WZ9064AFZZ	Washer,ϕ1.5×ϕ3.8×0.5mm	A A
511	XBPSD20W08000	Screw,ϕ2×8mm	A A
512	XHPSD26P05000	Screw,ϕ2.6×5mm	A A
513	XHBSD26P06000	Screw,ϕ2.6×6mm	A A
514	XHPSD26P04000	Screw,ϕ2.6×4mm	A A
515	XHBSD26P05000	Screw,ϕ2.6×5mm	A A
516	XHPSD26P10000	Screw,ϕ2.6×10mm	A A
519	XJBSD20P08000	Screw,ϕ2×8mm	A A
520	XREUJ15-04000	Ring,ϕ1.5×0.4mm	A A
521	XREUJ20-04000	Ring,ϕ2×0.4mm	A A
522	XWHJZ21-01340	Washer,ϕ2.1×ϕ4×0.13mm	A A
523	XWHJZ21-05040	Washer,ϕ2.1×ϕ4×0.5mm	A A
524	XWHJZ23-05044	Washer,ϕ2.3×ϕ4.4×0.5mm	A A
525	XWHSD21-05065	Washer,ϕ2.1×ϕ6.5×0.5mm	A A
526	XHPSD26P26000	Screw,ϕ2.6×26mm	A A
527	XWHJZ47-02580	Washer,ϕ4.7×ϕ8×0.25mm	A A
528	XWHJZ26-01347	Washer,ϕ2.6×ϕ4.7×0.13mm	A A
529	XWHJZ21-01360	Washer,ϕ2.1×ϕ6×0.13mm	A A
	CABINET PARTS		
201	CCAB-1351AF01	Cabinet Assembly,Front H(D),E(D)	B D
201	CCAB-1351AF03	Cabinet Assembly,Front H(S)	B D
201-1	————	Cabinet H(D),E(D)	—
201-1	————	Cabinet H(S)	—
201-2	HDALP0590AFSA	Dial Plate	A M
201-3	HDECA0574AFSA	Decoration Plate,Top H(D),E(D)	A L
201-3	HDECA0574AFSB	Decoration Plate,Top H(S)	A L
201-4	HDECA0577AFSA	Indication Plate,Control	A P
201-5	HPNLH1082AFSA	Indication Plate	A N
201-6	HPNLH1083AFSA	Indication Plate	A M
201-8	PCōVM9065AF00	Cover,Graphic Equalizer	A B
•201-9	TLABZ0130AFZZ	Mirror Label	A A
202	CCABB1971AF01	Cabinet Assembly,Rear H(D)	A Y
202	CCABB1971AF03	Cabinet Assembly,Rear H(S)	A Y
202	CCABB1971AF05	Cabinet Assembly,Rear E(D)	A Y
202-1	————	Cabinet H(D),E(D)	—
202-1	————	Cabinet H(S)	—
202-2	MSPRC0505AFFJ	Spring,Battery,+-	A C
202-3	PSLDM7161AFZZ	Shield Plate	A C
202-4	TLABT0055AFZZ	Label,Dolby	A A
202-5	MSPRC0515AFFJ	Spring,Battery,-	A C
•202-6	PSLDM7162AFZZ	Shield Plate	A C
203	GFTAC1421AFSA	Transparent Plate,Cassette Holder	A N
203	GFTAC1422AFSA	Transparent Plate,Cassette Holder	A N
204	LHLDX1065AFSA	Cassette Holder	A F
205	CSPRT1029AF06	Dial Strining Assembly	A C
206	GCōVH1179AFSE	Cover,AC Socket H(S)	A B
206	GCōVH1179AFSi	Cover,AC Socket H(D)	A B
207	GFTAB1161AFSA	Battery Compartment H(D),E(D)	A F
207	GFTAB1161AFSB	Battery Compartment H(S)	A F
208	HiNDP1177AFSA	Specifications H(D)	A C
208	HiNDP1178AFSA	Specifications H(S)	A C
208	HiNDP1203AFSA	Specifications E(D)	A C
209	HSSND0347AFSA	Dial Pointer	A D
210	JHNDG1097AFSB	Handle H(D),E(D)	A R
210	JHNDG1097AFSC	Handle H(S)	A R
211	JKNBK0301AFSA	Knob,Tuning Control	A D

REF.NO.	PART NO.	DESCRIPTION	CODE
212	JKNBK0337AFSA	Knob,Band Selector	A C
213	JKNBK0338AFSA	Knob,Fine Tuning Control	A C
214	LX-LZ0067AF00	Rivet	A A
215	JKNBM0566AFSA	Knob,Silver	A B
216	JKNBM0566AFSB	Knob,Scarlet	A B
217	JKNBM0566AFSE	Knob,Royal Blue	A B
218	JKNBM0567AFSB	Knob,Royal Blue	A B
219	JKNBP0239AFSA	Knob,Silver (L-CH)	A D
220	JKNBP0240AFSA	Knob,Silver (R-CH)	A D
221	JKNBZ0300AFSC	Knob,Royal Blue	A C
222	KCōUB0168AFZZ	Counter	A H
223	LANGQ0942AFFW	Bracket,Rod Antenna	A B
225	LHLDF1313AFSA	Frame,Main	A M
226	LHLDF1314AF00	Frame,Tuner	A H
227	LHLDF1315AFZZ	Holder,LED P.W.B.	A E
228	LHLDL1060AF00	Holder,Handle	A B
229	LHLDW3073AFZZ	Wire Holder	A A
230	LHLDZ1261AFSA	Holder,Volume	A H
231	LSLVM0186AFFD	Sleeve,Record Lever	A B
232	MLEVF1692AFFW	Lever,Dubbing Start	A E
233	MLEVF1706AFFW	Lever,Record Switch	A C
234	MLEVP0558AFSA	Lever,Cassette Holder Lock	A C
235	MLiFP0033AFZZ	Damper	A D
238	MSPRC0527AFFJ	Spring,Dubbing Start Lever	A B
239	MSPRD0612AFFJ	Spring,Cassette Holder, Left	A A
240	MSPRD0613AFFJ	Spring,Cassette Holder, Right	A A
242	MSPRT1110AFFJ	Spring,Record	A A
243	NBLTK0311AFZZ	Belt,Counter	A B
244	NBRGM0056AFFW	Bearing	A C
245	NDRM-0200AFZZ	Drum	A C
246	NPLYB0051AFZZ	Pulley,Dial Stringing	A A
247	NSFTD0246AFFW	Shaft,	A F
249	PRDAR0363AFFW	Heat Sink	A G
250	PSLDM3328AFFW	Shield Plate,Mic.	A D
251	PSLDM9106AFZZ	Shield Plate,Graphic Equalizer	A D
252	QLUGP0109CEFW	Lug	A A
253	QANTR0136AFZZ	Rod Antenna	A M
254	QFSHD2051AFZZ	Fuse Holder	A A
255	QTANB9127AFFN	Terminal,Battery	A C
256	RCōRF0053AFZZ	Bead	A B
257	PCōVP9167AFZZ	Cover,Power P.W.B	A E
601	LX-BZ0308AFFD	Screw, ϕ3×6.5mm	A A
602	LX-BZ0322AFFF	Screw, ϕ2×12mm	A A
603	LX-CZ0011AFZZ	Screw, ϕ3×65mm	A A
605	XBBSC30P20000	Screw, ϕ3×20mm	A A
606	XBBSD20P05000	Screw, ϕ2×5mm	A A
609	XBPSD26P06J00	Screw, ϕ2.6×6mm	A A
610	XBPSD26P08J00	Screw, ϕ2.6×8mm	A A
611	XCBSD26P08000	Screw, ϕ2.6×8mm	A A
612	XCBSD30P06000	Screw, ϕ3×6mm	A A
613	XCBSD30P08000	Screw, ϕ3×8mm	A A
614	XCBSD30P10000	Screw, ϕ3×10mm	A A
615	XCBSD30P12000	Screw, ϕ3×12mm	A A
616	XCBSD30P40000	Screw, ϕ3×40mm	A A
617	XCBSD40P12000	Screw, ϕ4×12mm	A A
620	XNEBN20-16000	Nut, ϕ2×1.6mm	A A
622	XWSSD20-05000	Washer, ϕ2×0.5mm	A A
623	XWSSN30-07000	Washer, ϕ3×0.7mm	A A
625	XCSSC30P10000	Screw, ϕ3×10mm H(S)	A A
625	XCSSF30P10000	Screw, ϕ3×10mm H(D),E(D)	A A
626	XREUJ20-04000	Ring, ϕ2×0.4mm	A A
627	XHBSD30P20000	Screw, ϕ3×20mm	A A
628	XWHSD32-05080	Washer, ϕ3.2×ϕ8×0.5mm	A A

SPEAKER BOX PARTS

REF.NO.	PART NO.	DESCRIPTION	CODE
401	GCAB-1325AFSB	Front Cabinet Assembly E(D)	A Y
401	GCAB-1332AFSA	Front Cabinet Assembly H(D)	A Y
401	GCAB-1332AFSB	Front Cabinet Assembly H(S)	A Y
402	GCABB1929AFSA	Rear Cabinet,Left H(D), E(D)	A Y
402	GCABB1929AFSB	Rear Cabinet,Left H(S)	A Y
402	GCABB1930AFSA	Rear Cabinet,Right H(D), E(D)	A Y
402	GCABB1930AFSB	Rear Cabinet,Right H(S)	A Y
403	HiNDP1111AFSA	Specifications H(D),E(D)	A A
403	HiNDP1111AFSB	Specifications H(S)	A B
404	LHLDZ1224AFSA	Cord Holder H(D),E(D)	A C
404	LHLDZ1224AFSF	Cord Holder H(S)	A C
405	MLEVP0557AFSA	Lever,Speaker Lock/ Release H(D),E(D)	A D
405	MLEVP0557AFSB	Lever,Speaker Lock/ Release H(S)	A D
406	PFLT-0405AFZZ	Leg	A A
407	PKYU-0079AFZZ	Acoustic Material	A A
408	PFLT-0596AF00	Felt,Rear Cabinet	A A
409	LANGZ0125AFFW	Bracket,Strength	A A
410	PCōVP1222AFSA	Cover,Speaker H(D),E(D)	A B
410	PCōVP1222AFSB	Cover,Speaker H(S)	A B
411	PCōVP1226AFSA	Cover,Speaker Cord	A B
801	LX-CZ0038AFZZ	Screw, ϕ3×65mm	A A
802	XCBSD30P08000	Screw, ϕ3×8mm	A A
803	XCBSF30P12000	Screw, ϕ3×12mm	A A
804	XCTSD40P10000	Screw, ϕ4×10mm	A A
C531	VCE9AT1SD475M	4.7 μF,30V,±20%,Non -polar	A D
C532	VCE9AT1SD475M	4.7 μF,30V,±20%,Non -polar	A D
PG1	QCNW-2848AFZZ	Speaker Cord	A H
PG2	QCNW-2848AFZZ	Speaker Cord	A H
SP1	VSP0016PBA58A	Speaker,Woofer	A U
SP2	VSP0016PBA58A	Speaker,Woofer	A U
SP3	VSP0050TB72SA	Speaker,Tweeter	A N
SP4	VSP0050TB72SA	Speaker,Tweeter	A N

ACCESSORIES/PACKING PARTS

⚠	QACCB0057AF09	AC Power Supply Cord E(D)	A M
⚠	QACCK0050AFZZ	AC Power Supply Cord H(D/S)	A L
	SPAKA1256AFZZ	Packing Add,Speaker E(D)	A E
	SPAKA1258AFZZ	Packing Add,Left E(D)	A F
	SPAKA1259AFZZ	Packing Add,Right E(D)	A F
	SPAKA1279AFZZ	Packing Add,Left H(D/S)	A G
	SPAKA1280AFZZ	Packing Add,Right H(D/S)	A G
	SPAKA1281AFZZ	Packing Add,Speaker,Top H(D/S)	A E
	SPAKA1282AFZZ	Packing Add,Speaker, Bottom H(D/S)	A E
	SPAKC3177AFZZ	Packing Case H(D)	A P
	SPAKC3178AFZZ	Packing Case H(S)	A P
	SPAKC3234AFZZ	Packing Case E(D)	A P
	SPAKP0413AFZZ	Polyethylene Bag,Unit	A E
	SPAKP0414AFZZ	Polyethylene Bag,Speaker H(D/S)	A E
	SPAKP0536AFZZ	Polyethylene Bag,Speaker E(D)	A D

REF.NO.	PART NO.	DESCRIPTION	CODE
	SSAKA0035AFZZ	Polyethylene Bag, Operation Manual H(D/S)	A A
	SSAKA0104AFZZ	Polyethylene Bag, Operation Manual E(D)	A H
	TCAUA0178AFZZ	Caution Label,Arabic,AC Power Supply Cord	A A
	TCAUA0284AFZZ	Caution Label,Battery	A A
	TGANE1117AFZZ	Warranty Card E(D)	A B
	TGANG1054AFZZ	Warranty Card H(D/S)	A A
	TiNSE1026AFZZ	Operation Manual E(D)	A L
	TiNSZ0733AFZZ	Operation Manual,For Europe H(D/S)	A R
	TiNSZ0735AFZZ	Operation Manual,For EX H(D/S)	A R
	TLABJ0006AFZZ	Label,Made in Japan	A A
	TLABZ0626AFZZ	Label,Characterization	A D
	UBATU0009AGZZ	Battery,R20 H(D/S)	A C
P.W.B. ASSEMBLY (Not Replacement Item)			
	DCYō-0747AF02 (Combined Assembly)	APSS/LED	—
	DCYō-0783AF01	Main	—
	DUNTR0209AF27	Tuner H(D/S)	—
	DUNTR0209AF30	Tuner E(D)	—

AC POWER SUPPLY CORD

QACCK0050AFZZ (GF-800H(D/S))	QACCB0057AF09 (GF-800E(D))