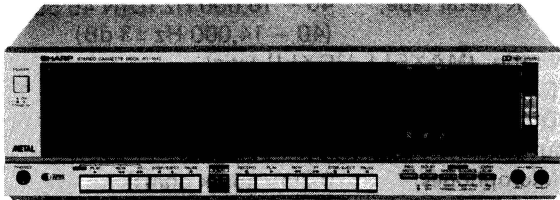


# SHARP

## SERVICE MANUAL / SERVICE-ANLEITUNG / MANUEL DE SERVICE

S2403RT-1010H



## RT-1010H(S)



- 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 Corporation 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 are 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.

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# RT-1010H(S)

Ⓔ

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

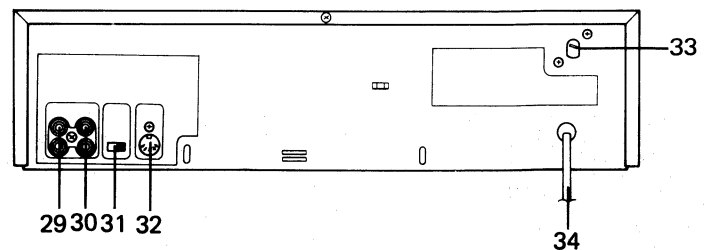
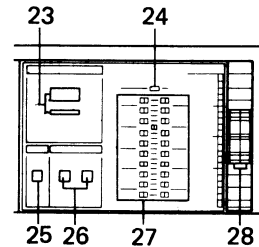
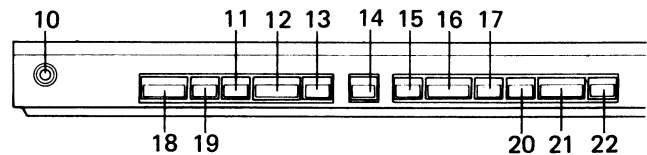
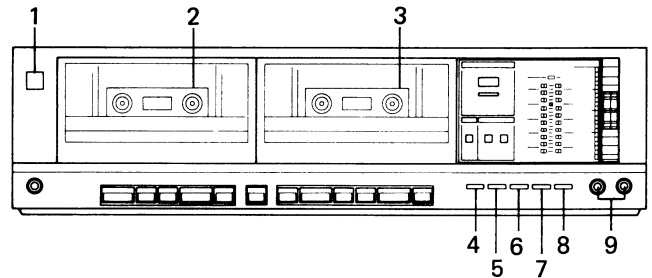
## SPECIFICATIONS

|                     |                                 |  |                             |
|---------------------|---------------------------------|--|-----------------------------|
| Power source:       | AC 110V/127V/220V/240V, 50/60Hz | MAXELL UDXLII tape;                    | 40 – 14,000 Hz (DIN 45 500) |
| Power consumption:  | 14W                             |  | (40 – 13,000 Hz ±3 dB)      |
| Semiconductors:     | 7 ICs                           | TDK Metal tape;                        | 40 – 16,000 Hz (DIN 45 500) |
|                     | 40 Transistors                  |  | (40 – 14,000 Hz ±3 dB)      |
|                     | 32 Diodes                       | S/N ratio: (MAXELL UDXLII tape)        |                             |
|                     | 11 LEDs                         | Dolby NR off;                          | 56 dB                       |
| Dimensions:         | Width; 430mm (17")              | Dolby NR effect;                       | 10 dB (at over 5 kHz)       |
|                     | Height; 118mm (4-5/8")          | Input sensitivity and input impedance: |                             |
|                     | Depth; 211mm (8-5/16")          | Microphones;                           | 0.2mV (6.8k ohms)           |
| Weight;             | 3.7 kg (8.2 lbs.)               | Line In;                               | 50mV (50k ohms)             |
| Tape:               | Compact cassette tape           | DIN In;                                | 6.8mV (6.8k ohms)           |
| Tape speed:         | 4.75cm/sec. (1-7/8 ips.)        | Output level and loaded impedance:     |                             |
|                     | 9.5cm/sec. (3-3/4 ips.)         | Headphones;                            | 0.2mW ("0" dB), 8 ohms      |
|                     | (during high speed dubbing)     | Line Out;                              | 550mV ("0" dB), 50k ohms    |
| Wow & flutter:      | 0.07% (WRMS)                    | DIN Out;                               | 550mV ("0" dB), 50k ohms    |
|                     | ±0.2% (DIN 45 500)              |  |                             |
| Frequency response: |                                 |  |                             |
| Normal tape;        | 40 – 13,000 Hz (DIN 45 500)     |  |                             |
|                     | (40 – 12,500 Hz ± 3 dB)         |  |                             |

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

## NAMES OF PARTS

1. Power Switch
2. Deck 1: Cassette Compartment
3. Deck 2: Cassette Compartment
4. Deck 2: Record Muting Button
5. Dolby NR Switch
6. Dubbing Speed Selector Switch
7. Source Selector Switch
8. Continuous Playback Switch
9. Microphone Sockets
10. Headphones Socket
11. Deck 1: Fast Forward Button
12. Deck 1: Stop/Eject Button
13. Deck 1: Pause Button
14. Dubbing Start Button
15. Deck 2: Record Button
16. Deck 2: Play Button
17. Deck 2: Rewind Button
18. Deck 1: Play Button
19. Deck 1: Rewind Button
20. Deck 2: Fast Forward Button
21. Deck 2: Stop/Eject Button
22. Deck 2: Pause Button
23. Deck 2: Digital Tape Counter and Reset Button
24. Power Indicator
25. Deck 1: Tape 1 Selector Switch
26. Deck 2: Tape 2 Selector Switches
27. Record Level Meter
28. Record Level Controls
29. Line Output Sockets
30. Line Input Sockets
31. Input Selector Switch
32. DIN Record/Playback (Input/Output) Socket
33. AC Voltage Selector
34. AC Power Supply Cord



# RT-1010H(S) RT-1010H(S)

Ⓓ

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

## TECHNISCHE DATEN

|                         |  |   |
|-------------------------|--|---|
| Spannungsversorgung:    | Netzspannung 110V/127V/220V/240V, 50/60Hz    | MAXELL UDXLII-Band;                     |
| Leistungsaufnahme:      | 14W  | 40 – 14 000 Hz (DIN 45 500)             |
| Bestückung:             | 7 integrierte Schaltkreise                   | (40 – 13 000 Hz ±3 dB)                  |
|                         | 40 Transistoren                              | TDK-                                    |
|                         | 32 Dioden                                    | 40 – 16 000 Hz (DIN 45 500)             |
|                         | 11 Leuchtdioden                              | Reineisenband;                          |
|                         |  | (40 – 14 000 Hz ±3 dB)                  |
| Abmessungen:            | Breite; 430mm                                | Rauschabstand (MAXELL UDXLII-Band):     |
|                         | Höhe; 118mm                                  | Dolby NR Aus; 56 dB                     |
|                         | Tiefe; 211mm                                 | Dolby NR Effekt; 10 dB (bei über 5 kHz) |
| Gewicht:                | 3,7 kg                                       | Eingangsempfindlichkeit und -impedanz   |
| Cassette:               | Kompaktcassette                              | Mikrofoneingang; 0,2mV (6,8 kOhm)       |
| Bandgeschwindigkeit:    | 4,75cm/s                                     | Direkteingang, 50mV (50 kOhm)           |
|                         | 9,5cm/s                                      | DIN-Eingang; 6,8mV (6,8 kOhm)           |
|                         | (beim Überspielen mit hoher Geschwindigkeit) | Ausgangspegel und Belastungsimpedanz:   |
| Gleichlaufschwankungen: | 0,07% (WRMS)                                 | Kopfhörerausgang; 0,2mW ("0" dB), 8 Ohm |
|                         | ±0,2% (DIN 45 500)                           | Direktausgang; 550mV ("0" dB), 50 kOhm  |
| Frequenzgang:           |  | DIN-Ausgang; 550mV ("0" dB), 50 kOhm    |
| Normalband;             | 40 – 13 000 Hz (DIN 45 500)                  |   |
|                         | (40 – 12 500 Hz ± 3 dB)                      |   |

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

|                            |   |  |
|----------------------------|---|--|
| Alimentation:              | CA 110V/127V/220V/240V 50/60Hz              | Bande MAXELL UDXLII;                         |
| Consommation:              | 14W   | 40 à 14 000 Hz (DIN 45 500)                  |
| Semi-conducteurs:          | 7 CI  | (40 à 13 000 Hz ±3 dB)                       |
|                            | 40 transistors                              | Bande TDK métal; 40 à 16 000 Hz (DIN 45 500) |
|                            | 32 diodes                                   | (40 à 14 000 Hz ±3 dB)                       |
|                            | 11 LED                                      | Rapport S/B: (Bande MAXELL UDXLII)           |
| Dimensions:                | Largeur; 430mm                              | Dolby RB coupé; 56 dB                        |
|                            | Hauteur; 118mm                              | Effet Dolby RB; 10 dB (à plus de 5 kHz)      |
|                            | Profondeur; 211mm                           | Sensibilité d'entrée et impédance d'entrée:  |
| Poids:                     | 3,7 kg                                      | Microphones; 0,2mV (6,8 kohms)               |
| Bande:                     | Bande cassette compacte                     | Entrée de ligne; 50mV (50 kohms)             |
| Vitesse de défilement      | 4,75cm/s                                    | Entrée DIN; 6,8mV (6,8 kohms)                |
|                            | 9,5cm/s                                     | Niveau de sortie et impédance de charge:     |
|                            | (Pendant l'enregistrement à grande vitesse) | Casque; 0,2mW ("0" dB), 8 ohms               |
| Pleurage et scintillement: | 0,07% (efficace) 0,2% (DIN 45 500)          | Sortie de ligne; 550mV ("0" dB), 50 kohms    |
| Réponse de fréquence:      |   | Sortie DIN; 550mV ("0" dB), 50 kohms         |
|                            | Bande normale;                              |  |
|                            | 40 à 13 000 Hz (DIN 45 500)                 |  |
|                            | (40 à 12 500 Hz ± 3 dB)                     |  |

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

## BEZEICHNUNG

- |  |  |
|--|--|
| 1. Netzschalter                                      | 32. DIN-Anschluß für Aufnahme/Wiedergabe |
| 2. Deck 1: Cassettenfach                             | 33. Netzspannungswähler                  |
| 3. Deck 2: Cassettenfach                             | 34. Netzkabel                            |
| 4. Deck 2: Aufnahme-Stummschaltungstaste             |  |
| 5. Dolby NR-Schalter                                 |  |
| 6. Überspielgeschwindigkeits-Wahlschalter            |  |
| 7. Programmquellenwahlschalter                       |  |
| 8. Dauerwiedergabeschalter                           |  |
| 9. Mikrofonbuchsen                                   |  |
| 10. Kopfhörerbuchse                                  |  |
| 11. Deck 1: Schnellvorlaufaste                       |  |
| 12. Deck 1: Stopp-/Auswurfaste                       |  |
| 13. Deck 1: Pausentaste                              |  |
| 14. Überspielstarttaste                              |  |
| 15. Deck 2: Aufnahmetaste                            |  |
| 16. Deck 2: Wiedergabetaste                          |  |
| 17. Deck 2: Rückspultaste                            |  |
| 18. Deck 1: Wiedergabetaste                          |  |
| 19. Deck 1: Rückspultaste                            |  |
| 20. Deck 2: Schnellvorlaufaste                       |  |
| 21. Deck 2: Stopp-/Auswurfaste                       |  |
| 22. Deck 2: Pausentaste                              |  |
| 23. Deck 2: Digitales Bandzählwerk und Rückstellaste |  |
| 24. Spannungsversorgungsanzeige                      |  |
| 25. Deck 1: Wahlschalter für Band 1                  |  |
| 26. Deck 2: Wahlschalter für Band 2                  |  |
| 27. Aufnahmepegelanzeige                             |  |
| 28. Aufnahmepegelsteller                             |  |
| 29. Ausgangsbuchsen                                  |  |
| 30. Eingangsbuchsen                                  |  |
| 31. Eingangswahlschalter                             |  |

## NOMENCLATURE

- |   |  |
|---|--|
| 1. Commutateur d'alimentation   | 31. Commutateur de sélection d'entrée                    |
| 2. Platine 1: Compartiment de la cassette                             | 32. Douille DIN d'enregistrement/lecture (entrée/sortie) |
| 3. Platine 2: Compartiment de la cassette                             | 33. Sélecteur de tension de secteur                      |
| 4. Platine 2: Bouton de réglage silencieux d'enregistrement           | 34. Fil d'alimentation de secteur                        |
| 5. Commutateur Dolby NR   |  |
| 6. Commutateur de sélection de vitesse de copie                       |  |
| 7. Commutateur de sélection de source                                 |  |
| 8. Commutateur de lecture continue                                    |  |
| 9. Douilles de microphones  |  |
| 10. Douille de casque   |  |
| 11. Platine 1: Bouton d'avance rapide                                 |  |
| 12. Platine 1: Bouton d'arrêt/éjection                                |  |
| 13. Platine 1: Bouton de pause  |  |
| 14. Bouton de démarrage de copie                                      |  |
| 15. Platine 2: Bouton d'enregistrement                                |  |
| 16. Platine 2: Bouton de lecture                                      |  |
| 17. Platine 2: Bouton de rebobinage                                   |  |
| 18. Platine 1: Bouton de lecture                                      |  |
| 19. Platine 1: Bouton de rebobinage                                   |  |
| 20. Platine 2: Bouton d'avance rapide                                 |  |
| 21. Platine 2: Bouton d'arrêt/éjection                                |  |
| 22. Platine 2: Bouton de pause  |  |
| 23. Platine 2: Compteur numérique de bande et bouton de remise à zéro |  |
| 24. Témoin d'alimentation   |  |
| 25. Platine 1: Commutateur de sélection de bande 1                    |  |
| 26. Platine 2: Commutateurs de sélection de bande 2                   |  |
| 27. Compteur de niveau d'enregistrement                               |  |
| 28. Commandes de niveau d'enregistrement                              |  |
| 29. Douilles de sortie de ligne                                       |  |
| 30. Douilles d'entrée de ligne  |  |

# RT-1010H(S) RT-1010H(S)

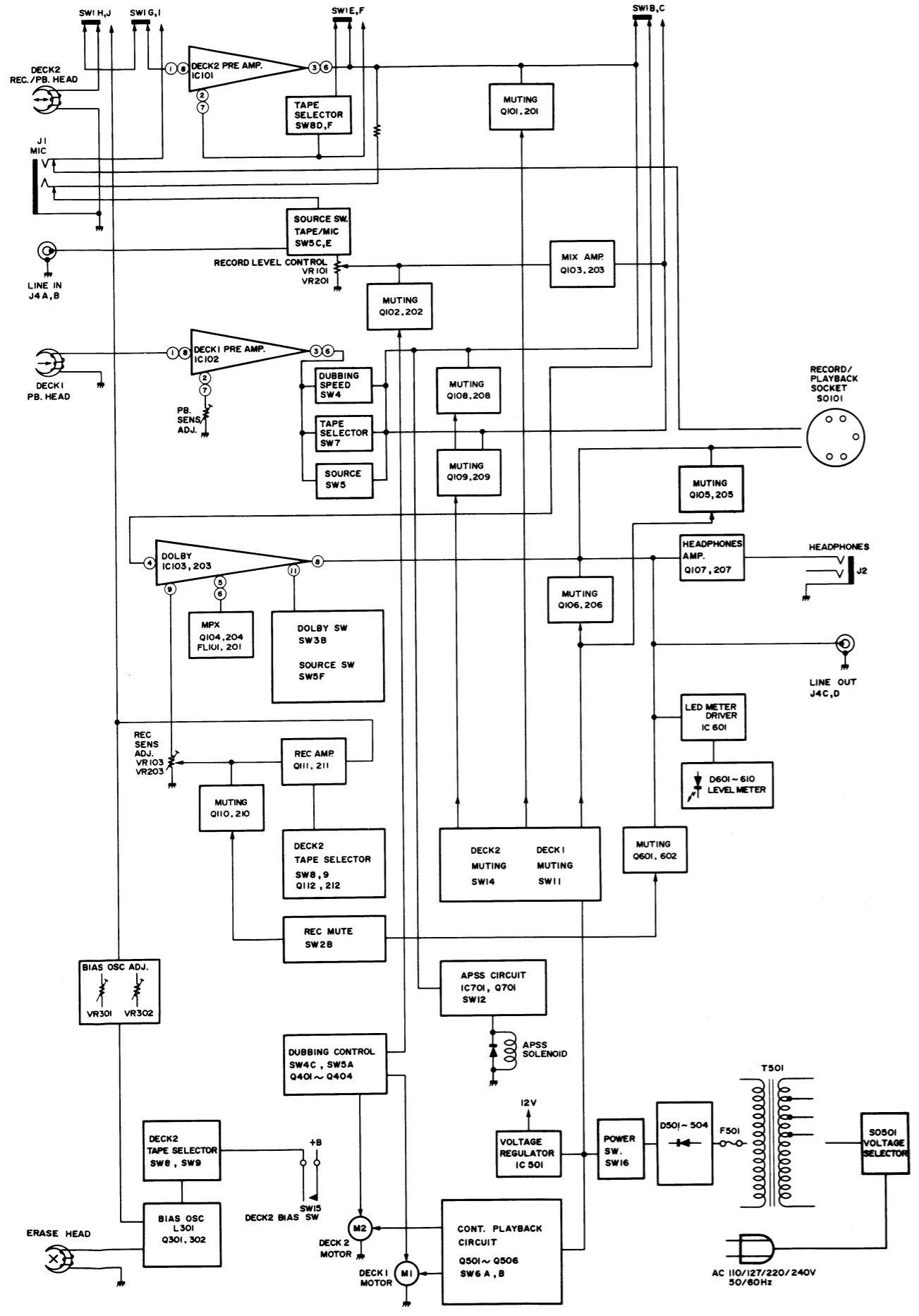


Figure 5 BLOCK DIAGRAM

(E)

## 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 cassette holder.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble 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 (PARTS TO BE REMOVED)  | FIGURE                          |
|------|-------------------------|--|---------------------------------|
| 1    | Cabinet                 | 1. Screw . . . . . (A)x5   | 6-1                             |
| 2    | Front panel             | 1. Rod . . . . . (B)x1<br>2. Switch Lever . . (C)x3<br>3. Socket . . . . . (D)x6<br>4. Screw . . . . . (E)x6 | 6-2<br>6-3<br>6-3<br>6-4<br>6-5 |
| 3    | Cassette deck mechanism | 1. Counter Belt . . (F)x1<br>2. Screw . . . . . (G)x9  | 6-4<br>6-3<br>6-4<br>6-5        |

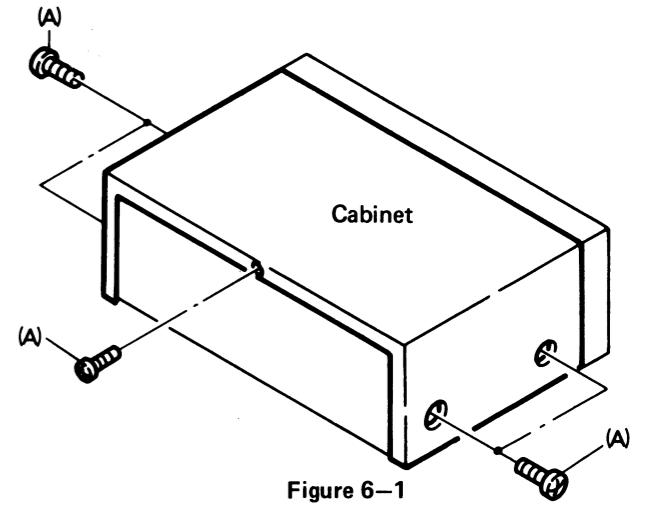


Figure 6-1

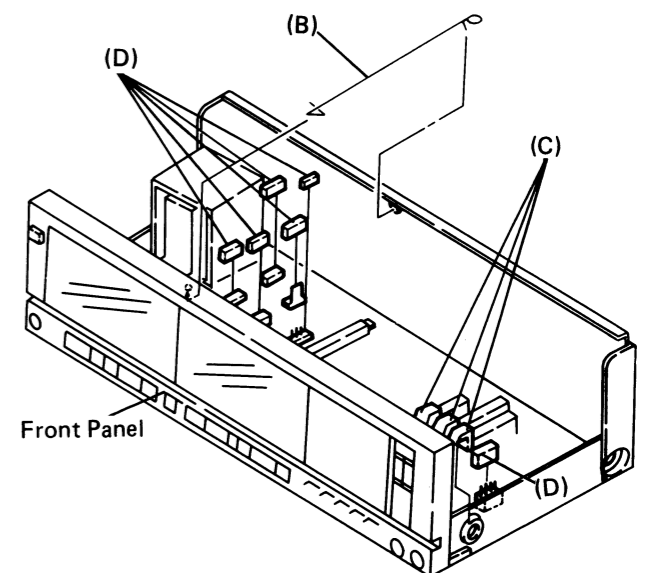


Figure 6-2

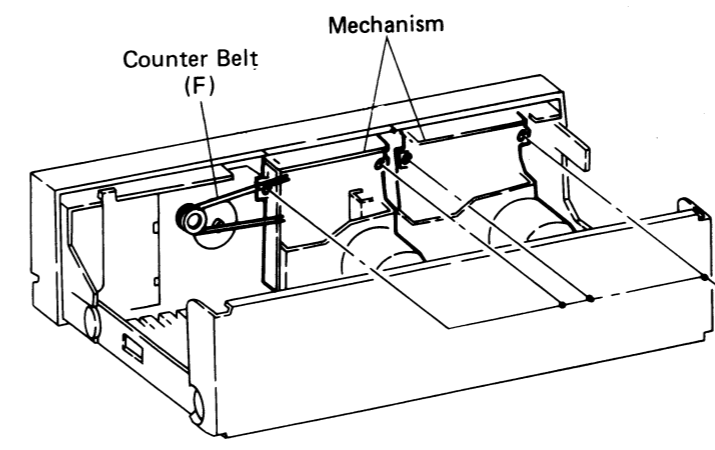


Figure 6-4

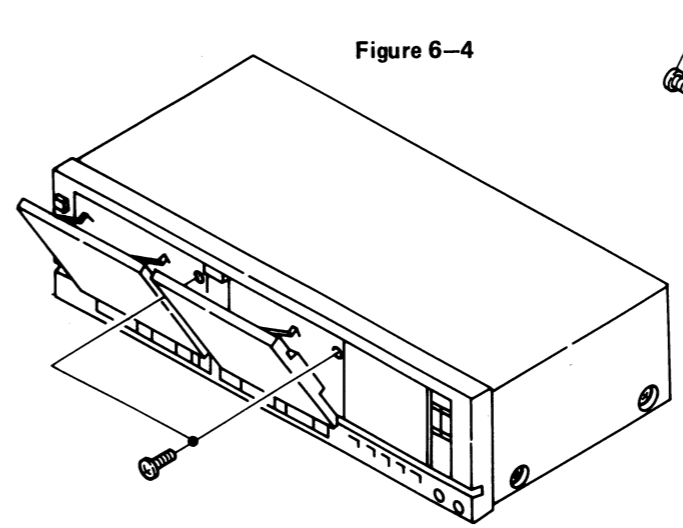


Figure 6-5

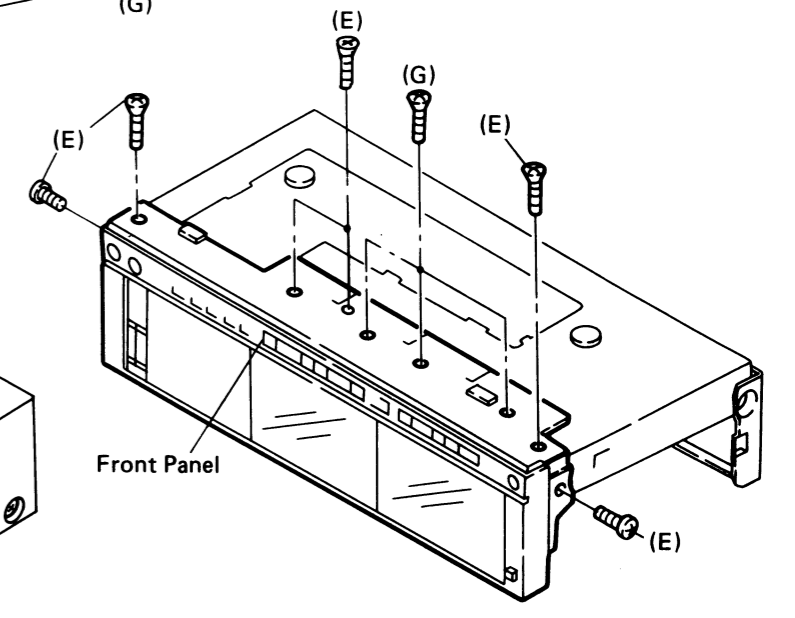


Figure 6-3

# RT-1010H(S) RT-1010H(S)

## Ⓓ ZERLEGEN

**Vorsichtsmaßnahmen für das Zerlegen**  
 Beim Zerlegen und Zusammenbauen des Gerätes die folgenden Anweisungen befolgen, um dessen Betriebssicherheit und ausgezeichnete Leistung aufrechtzuerhalten.

1. Cassette aus dem cassettenhalter entfernen.
2. Bevor mit dem Zerlegen des Gerätes begonnen wird, unbedingt den Netzkabelstecker aus der Netzsteckdose ziehen.
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 dem Zerlegen angeordnet waren.
4. Beim Ausführen von Wartungsarbeiten auf statische Elektrizität der integrierten Schaltkreise und anderen Schaltungen achten.

| SCHRITT | ENTFERNEN             | VERFAHREN (ZU ENTFERNENDE TEILE) | ABBILDUNG |
|---------|-----------------------|----------------------------------|-----------|
| 1       | Gehäuse               | 1. Schraube . . . . . (A)x5      | 6-1       |
| 2       | Frontplatte           | 1. Stab . . . . . (B)x1          | 6-2       |
|         |                       | 2. Schalterhebel . . (C)x3       | 6-3       |
| 3       | Cassettendecklaufwerk | 3. Buchse . . . . . (D)x6        | 6-4       |
|         |                       | 4. Schraube . . . . . (E)x6      | 6-3       |
|         |                       | 1. Zählwerkriemen . (F)x1        | 6-4       |
|         |                       | 2. Schraube . . . . . (G)x9      | 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 du porte-cassette
2. S'assurer de retirer la fiche d'alimentation secteur de la prise murale avant de démarrer le démontage 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 redispser 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 (PIÈCES À DÉPOSER)          | FIGURE |
|-------|---------------------------|-------------------------------------|--------|
| 1     | Coffret                   | 1. Vis . . . . . (A)x5              | 6-1    |
| 2     | Panneau avant             | 1. Barre . . . . . (B)x1            | 6-2    |
|       |                           | 2. Levier de commutateur . (C)x3    | 6-3    |
| 3     | Mécanisme du magnétophone | 3. Douille . . . . . (D)x6          | 6-4    |
|       |                           | 4. Vis . . . . . (E)x6              | 6-3    |
|       |                           | 1. Courroie de compteur . . . (F)x1 | 6-4    |
|       |                           | 2. Vis . . . . . (G)x9              | 6-5    |

## WIRING OF PRIMARILY SUPPLY LEADS (For UK)

If any one of the nylon bands shown in the Fig. 8-1 is removed for some reason, be sure to replace it to the original position and the same appearance as before.

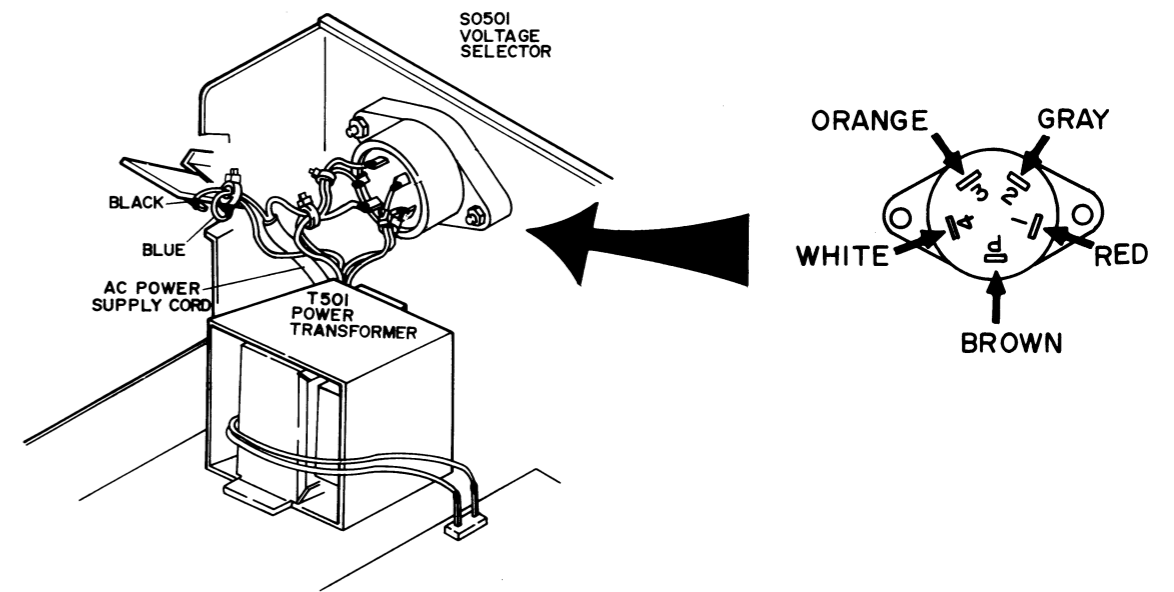


Figure 8-1

## PACKING METHOD (For UK)

| SETTING POSITIONS OF SWITCHES AND KNOBS |        |
|---|--------|
| Power Switch                            | OFF    |
| Tape 1 Selector Switch                  | 120μS  |
| Tape 2 Selector Switch                  | NORMAL |
| Record Level Control Knob               | 0      |
| Record Muting Switch                    | OFF    |
| Dolby NR Switch                         | OFF    |
| Dubbing Speed Selector Switch           | OFF    |
| Source Selector Switch                  | OFF    |
| Continuous Playback Switch              | OFF    |
| Tape Counter                            | "000"  |
| Input Selector Switch                   | LINE   |
| Voltage Selector                        | 240V   |

1. Packing Case SPAKC2871AFZZ
2. Packing Add, Left SPAKA1169AFZZ
3. Packing Add, Right SPAKA1170AFZZ
4. Polyethylene Bag, Operation Manual SSAKA0104AFZZ
5. Warranty Card TGANE1117AFZZ
6. Connecting Cord (DIN Type) QCNW-0727AFZZ
7. Operation Manual TINSZ0661AFZZ
8. Caution Label, AC Power Supply Cord TCAUH0056AGZZ
9. Caution Label, Polyethylene Bag TCAUZ0039AFZZ
10. Polyethylene Bag, Unit SPAKP0461AFZZ
11. Label, License TLABT0053AFZZ
12. Label, MADE IN JAPAN TLABJ0006AFZZ

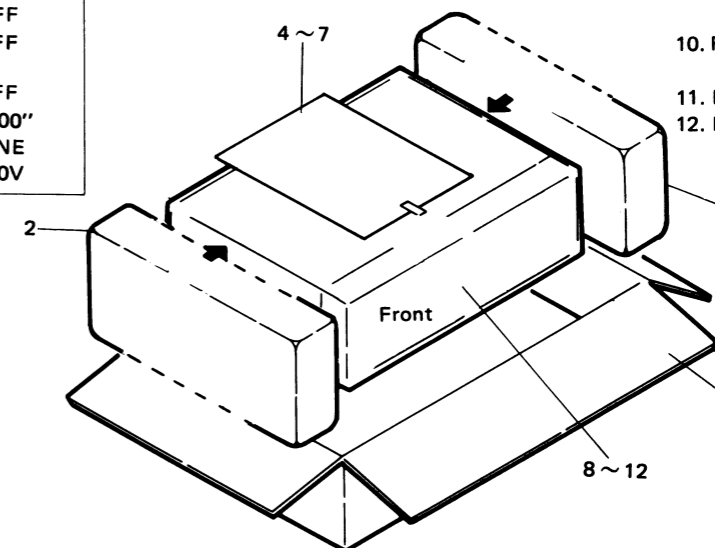


Figure 8-2

Ⓔ

CIRCUIT ADJUSTMENT (AUDIO SECTION)

| SETTING POSITION OF SWITCH AND KNOB | Dolby NR Switch: off<br>Dubbing Speed: Normal<br>Deck 1 Tape Selector Switch: 120µs<br>Deck 2 Tape Selector Switch: Normal<br>Source Switch: LINE |                      |  |
|-------------------------------------|---|----------------------|--|
| ITEM                                | INPUT   | ADJUSTMENT POINT     | REMARKS (CHECK)  |
| BIAS OSCILLATION FREQUENCY          | —   | L301                 | 105 ± 5 kHz  |
| BIAS CURRENT                        | —   | L: VR301<br>R: VR302 | Normal: 15.5V<br>(Metal: 32.5 ± 3.5V)<br>(CrO <sub>2</sub> : 22.0 ± 2.5V)  |
| ERASE CURRENT                       | —   | —                    | Metal: 36 ± 4V   |
| LEVEL METER SENSITIVITY             | 400 Hz,<br>-10 dB<br>(1 V = 0 dB)   | —                    | 1. Adjust the record level control knobs so that the electronic voltmeter reads 410 mV.<br>2. See that the segments of up to 0dB are lighting up.<br>If the segments of up to -1dB or up to +1dB are lighting up, take the procedures shown in the Table *1. |
| DECK 1 PLAYBACK SENSITIVITY         | Test tape MTT-150   | L: VR102<br>R: VR202 | Normal: 505 mV   |
| DECK 2 PLAYBACK SENSITIVITY         | Test tape MTT-150   | —                    | See that the electronic voltmeter reading is within the range from 488mV to 689mV. If not, take the procedures shown in the Table *2.  |
| RECORD/PLAYBACK SENSITIVITY         | Non-recorded tape MTT-502<br>-20 dB<br>(1 V = 0 dB)   | L: VR103<br>R: VR203 | 1. Adjust the record level control knobs so that the electronic voltmeter reads 410 mV.<br>2. Playback the normal tape recorded and adjust the semi-variable resistor so that the electronic voltmeter reads 345 - 487 mV.                                   |

Table \*1

| Lighting segments | Procedures                     |
|-------------------|--------------------------------|
| Up to -1dB        | Cut the resistor R602 or R606. |
| Up to +1dB        | Cut the resistor R601 or R605. |

Table \*2

| Voltmeter reads | Procedures                     |
|-----------------|--------------------------------|
| More than 689mV | Cut the resistor R113 or R213. |
| Less than 488mV | Cut the resistor R111 or R211. |

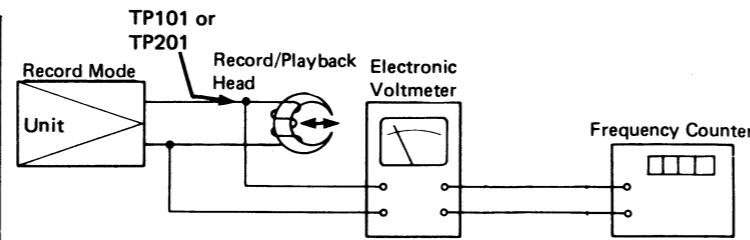


Figure 9-1 BIAS OSCILLATOR FREQUENCY/BIAS CURRENT

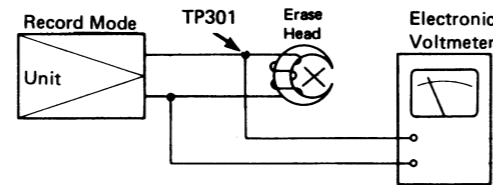


Figure 9-2 ERASE CURRENT

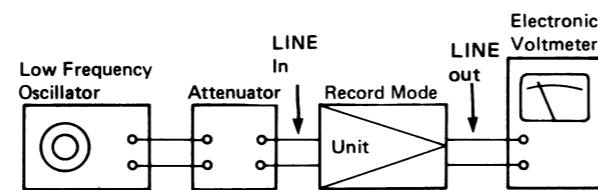


Figure 9-3 LEVEL METER SENSITIVITY

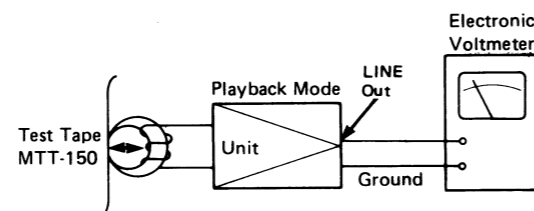


Figure 9-4 DECK 1/DECK 2 PLAYBACK SENSITIVITY

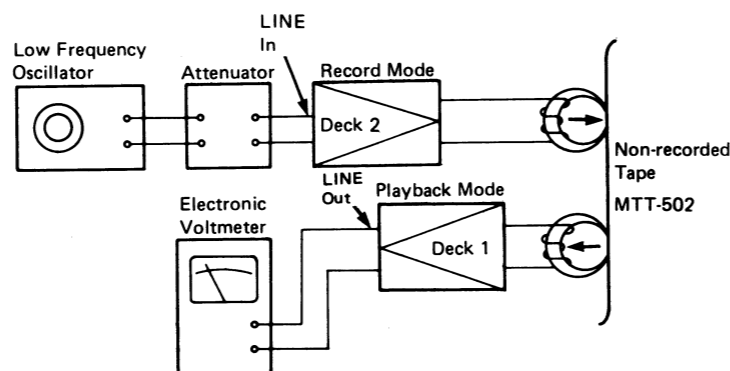


Figure 9-5 RECORD/PLAYBACK SENSITIVITY

Ⓓ

SCHALTUNGSEINSTELLUNG (TONTEIL)

| SCHALTER-UND STELLER-EINSTELL-POSITION | Dolby-NR-Schalter: Aus<br>Überspielgeschwindigkeit: Normal<br>Deck 1 Wahlschalter: 120µs<br>Deck 2 Wahlschalter: Normal<br>Programmquellenwahlschalter: LINE |                      |  |
|--|--|----------------------|--|
| BENENNUNG                              | EINGANG  | EINSTELL-PUNKT       | BEMERKUNGEN (PRÜFUNG)  |
| VORMAGNETISIERUNGSSCHWING FREQUENZ     | —  | L301                 | 105 ± 5 kHz  |
| VORMAGNETISIERUNGSSSTROM               | —  | L: VR301<br>R: VR302 | Normalband:<br>15,5V<br>(Reineisenband:<br>32,5 ± 3,5V)<br>(CrO <sub>2</sub> - Band:<br>22,0 ± 2,5V)   |
| LÖSCHSTROM                             | —  | —                    | Reineisenband:<br>36 ± 4V  |
| PEGELANZEIGE-EMPFINDLICHKEIT           | 400 Hz,<br>-10 dB<br>(1 V = 0 dB)  | —                    | 1. Die Aufnahmepegelsteller so einstellen, daß der elektronische Spannungsmesser 410 mV anzeigt.<br>2. Überprüfen, ob die Segmente von bis zu 0 dB aufleuchten. Wenn die Segmente von bis zu -1 dB oder von bis zu +1 dB aufleuchten, die Nachstellung gemäß Tabelle *1 vornehmen. |
| WIEDERGABE-EMPFINDLICHKEIT VON DECK 1  | Testband MTT-150   | L: VR102<br>R: VR202 | Normalband:<br>505 mV  |
| WIEDERGABE-EMPFINDLICHKEIT VON DECK 2  | Testband MTT-150   | —                    | Überprüfen, ob der elektronische Spannungsmesser 488 mV bis 689 mV anzeigt. Wenn es nicht so ist, die Nachstellung gemäß Tabelle *2 vornehmen.   |
| AUFNAHME-/WIEDERGABE-EMPFINDLICHKEIT   | Unbespieltes Band MTT-502<br>-20 dB<br>(1 V = 0 dB)  | L: VR103<br>R: VR203 | 1. Den Aufnahmepegelsteller so einstellen, daß der elektronische Spannungsmesser 410 mV anzeigt.<br>2. Das bespielte Normalband wiedergeben und den Trimmer so einstellen, daß der elektronische Spannungsmesser 345 - 487 mV anzeigt.   |

Tabelle \*1

| Aufleuchtende Segmente | Verfahren                              |
|------------------------|--|
| Bis zu -1 dB           | Den Widerstand R602 oder R606 trennen. |
| Bis zu +1 dB           | Den Widerstand R601 oder R605 trennen. |

Tabelle \*2

| Anzeige des Spannungsmessers | Verfahren                              |
|------------------------------|--|
| Mehr als 689 mV              | Den Widerstand R113 oder R213 trennen. |
| Weniger als 488 mV           | Den Widerstand R111 oder R211 trennen. |

Ⓕ

RÉGLAGE DU CIRCUIT (SECTION DU AUDIO)

| RÉGLAGE DE LA POSITION DES COMMUTEURS ET DES BOUTONS | Commutateur Dolby NR: Coupé<br>Vitesse de copie: Normale<br>Platine 1: Commutateur de sélection: 120µs<br>Platine 2: Commutateur de sélection: Normale<br>Commutateur de sélection de source: LINE |                      |   |
|--|--|----------------------|---|
| ARTICLE  | ENTRÉE   | POINT DE RÉGLAGE     | REMARQUES (VÉRIFICATION)  |
| FRÉQUENCE DE L'OSCILLATION DE POLARISATION           | —  | L301                 | 105 ± 5 kHz   |
| COURANT DE POLARISATION                              | —  | G: VR301<br>D: VR302 | Normal: 15,5V<br>(Metal:<br>32,5 ± 3,5V)<br>(CrO <sub>2</sub> : 22,0 ± 2,5V)  |
| COURANT D'EFFACEMENT                                 | —  | —                    | Metal: 36 ± 4V  |
| SENSIBILITÉ DU COMPTEUR DE NIVEAU                    | 400 Hz,<br>-10 dB<br>(1 V = 0 dB)  | —                    | 1. Régler les boutons de niveau d'enregistrement de telle sorte que le voltmètre électronique indique 410 mV.<br>2. Voir si les segments au-dessus de 0 dB sont allumés. Si les segments jusqu'à -1 dB ou +1 dB sont allumés, effectuer les procédés indiqués dans le Tableau *1. |
| SENSIBILITÉ DE LECTURE DE LA PLATINE 1               | Bande d'essai MTT-150  | G: VR102<br>D: VR202 | Normal: 505 mV  |
| SENSIBILITÉ DE LECTURE DE LA PLATINE 2               | Bande d'essai MTT-150  | —                    | Voir si l'indication du voltmètre électronique se situe entre 488 mV et 689 mV. Sinon, effectuer les procédés indiqués dans le Tableau *2.  |
| SENSIBILITÉ D'ENREGISTREMENT/LECTURE                 | Bande non enregistrée MTT-502<br>-20 dB<br>(1 V = 0 dB)  | G: VR103<br>D: VR203 | 1. Régler la bouton de commande de niveau du disque de telle sorte que le voltmètre électronique indique 410 mV.<br>2. Lire une bande normale enregistrée et régler la résistance semi-variable de telle sorte que le voltmètre électronique indique 345 à 487 mV.                |

Tableau \*1

| Segments allumés | Procédés                          |
|------------------|-----------------------------------|
| Jusqu'à -1 dB    | Couper la résistance R602 ou R606 |
| Jusqu'à +1 dB    | Couper la résistance R601 ou R605 |

Tableau \*2

| Indication du voltmètre | Procédés                          |
|-------------------------|-----------------------------------|
| Supérieure à 689 mV     | Couper la résistance R113 ou R213 |
| Inférieure à 488 mV     | Couper la résistance R111 ou R211 |

E

MECHANICAL ADJUSTMENT (TAPE SECTION)

| ITEM          | JIG   | ADJUSTMENT POINTS  | REMARKS (CHECK)   |
|---------------|---|--|---|
| Driving power | Tape tension measuring cassette TW-2412                             | —  | More than 150 g   |
| Torque        | Torque meter Play TW-2111<br>Fast-forward TW-2231<br>Rewind TW-2231 | —  | (Play : 35-60 g-cm)<br>(Fast-forward : 85-120 g-cm)<br>(Rewind : 85-120 g-cm) |
| Azimuth       | Test tape MTT-114   | Azimuth adjusting screw  | Sine waveform attains the maximum.  |
| Tape speed    | Test tape MTT-111   | Normal speed Deck 1: VR402<br>Deck 2: VR404<br>High speed Deck 1: VR401<br>Deck 2: VR403 | Normal speed 2,990 ± 20 Hz<br>High speed 5,980 ± 50 Hz                        |

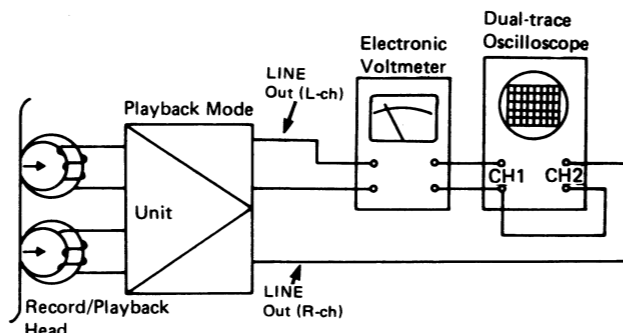


Figure 11-1 AZIMUTH

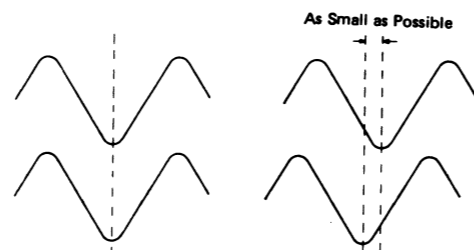


Figure 11-2 AZIMUTH WAVEFORM

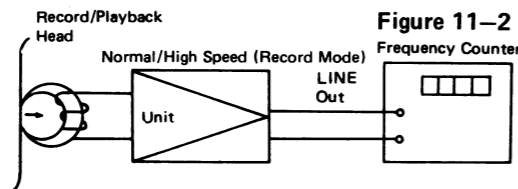


Figure 11-3 TAPE SPEED TEST TAPES FOR MEASUREMENT

| COMPACT CASSETTE TYPE   |                                |  |                                   |
|-------------------------|--------------------------------|--|-----------------------------------|
| TITLE                   | MODEL                          | FREQUENCY/LEVEL                                    | APPLICATION                       |
| FLUTTER                 | MTT-111                        | 3 kHz, -10 dB                                      | Tape speed, Wow and flutter check |
| AZIMUTH                 | MTT-113<br>MTT-113C<br>MTT-114 | 6.3 kHz, -10 dB<br>8 kHz, -10 dB<br>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<br>Tone 200 nwb/m                     | Dolby NR B-type level adjustment  |
| BLANK                   | MTT-502                        | —  | Record frequency check            |

| 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     |

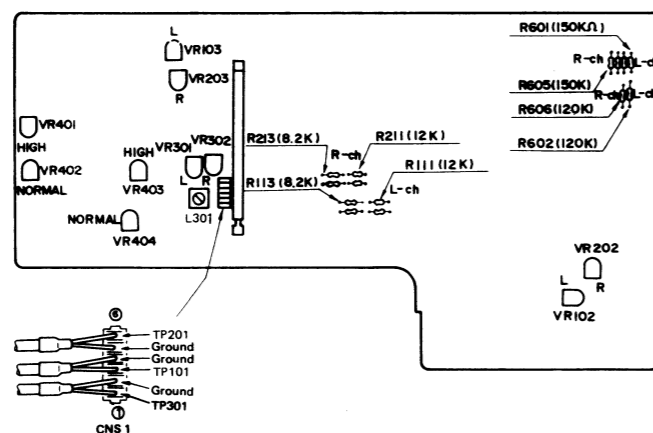


Figure 11-3 ADJUSTMENT POINTS

D

MECHANISCHE EINSTELLUNG (BANDTEIL)

| BE-NENNUNG          | FÜHRUNG-SLEHRE  | EINSTELL-PUNKT   | BEMERKUNGEN (PRÜFUNG)   |
|---------------------|---|--|---|
| Antriebskraft       | Bandzug-Meßcassette TW-2412   | —  | Mehr als 150 g  |
| Drehmoment          | Drehmoment-messer Weidergabe TW-2111<br>Schnellvorlauf TW-2231<br>Rückspulung TW-2231 | —  | (Wiedergabe: 35 - 60 g-cm)<br>(Schnellvorlauf: 85 - 120 g-cm)<br>(Rückspulung: 85 - 120 g-cm) |
| Azimet              | Testband MTT-114  | Azimet-einstell-schraube   | Sinuswellenform wird maximal.   |
| Bandgeschwindigkeit | Testband MTT-111  | Normal Geschwindigkeit Deck 1: VR402<br>Deck 2: VR404<br>Hohe Geschwindigkeit Deck 1: VR401<br>Deck 2: VR403 | Normal Geschwindigkeit 2 990 ± 20 Hz<br>Hohe Geschwindigkeit 5 980 ± 50 Hz                    |

TESTBÄNDER FÜR MESSUNG

| KOMPAKTCASSETTENTYP     |                                |  |  |
|-------------------------|--------------------------------|--|--|
| BENENNUNG               | MODELL                         | FREQUENZ/PEGEL                                     | ANWENDUNG  |
| GLEICHLAUF-SCHWANKUNGEN | MTT-111                        | 3 kHz, -10 dB                                      | Überprüfung der Bandgeschwindigkeit und Gleichlaufschwankungen |
| AZIMUT                  | MTT-113<br>MTT-113C<br>MTT-114 | 6,3 kHz, -10 dB<br>8 kHz, -10 dB<br>10 kHz, -10 dB | Kopfazimuteinstellung  |
| KLIRRFAKTOR             | MTT-118                        | 1 kHz, -10 dB                                      | Verzerrungspegel-einstellung                                   |
| DOLBY-PEGEL-EICHUNG     | MTT-150                        | Ton von Dolby B-Typ 200 nwb/m                      | Dolby-NR B-Typ-Pegel-einstellung                               |
| LEER-CASSETTE           | MTT-502                        | —  | Überprüfung der Aufnahme-frequenz                              |

TESTBÄNDER

| 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             |

F

RÉGLAGE MÉCANIQUE (SECTION DU MAGNÉTOPHONE)

| ARTICLE                  | GABARIT  | POINTS DE RÉGLAGE   | REMARKES (VÉRIFICATION)   |
|--------------------------|--|---|---|
| Puissance d'entraînement | Cassette de mesure de tension de la bande TW-2412                                    | —   | Plus de 150 g   |
| Couple                   | Compteur de couple Lecture: TW-2111<br>Avance rapide: TW-2231<br>Rebobinage: TW-2231 | —   | (Lecture: 35 à 60g-cm)<br>(Avance rapide: 85 à 120 g-cm)<br>(Rebobinage: 85 à 120 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 MTT-111  | Vitesse normale Platine 1: VR402<br>Platine 2: VR404<br>Grande vitesse Platine 1: VR401<br>Platine 2: VR403 | Vitesse normale 2 990 ± 20 Hz<br>Grande vitesse 5 980 ± 50 Hz                           |

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<br>MTT-113C<br>MTT-114 | 6,3 kHz, -10 dB<br>8 kHz, -10 dB<br>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                       |

BANDES D'ESSAI

| 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       |



# RT-1010H(S) RT-1010H(S)

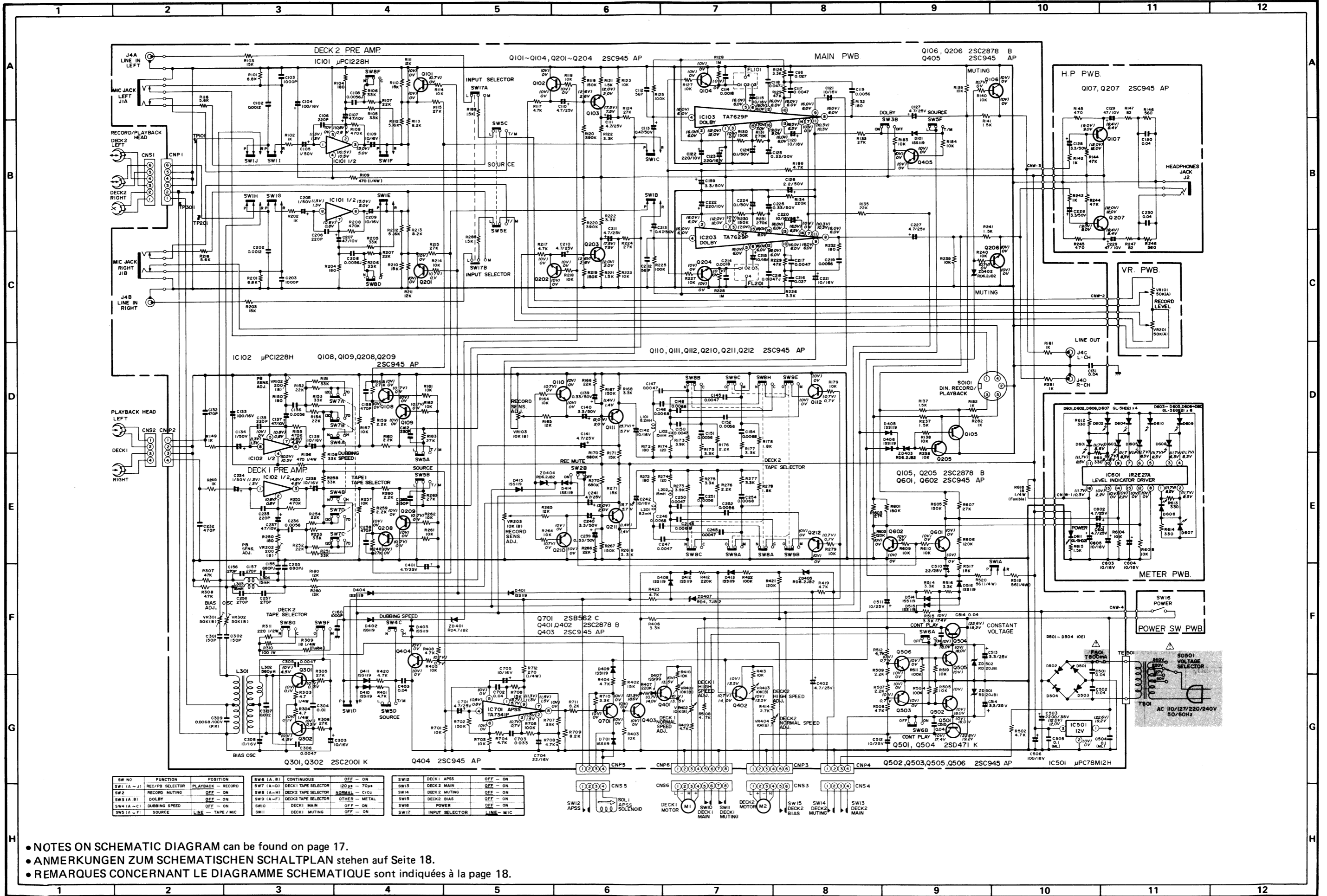


Figure 13 SCHEMATIC DIAGRAM



# RT-1010H(S) RT-1010H(S)

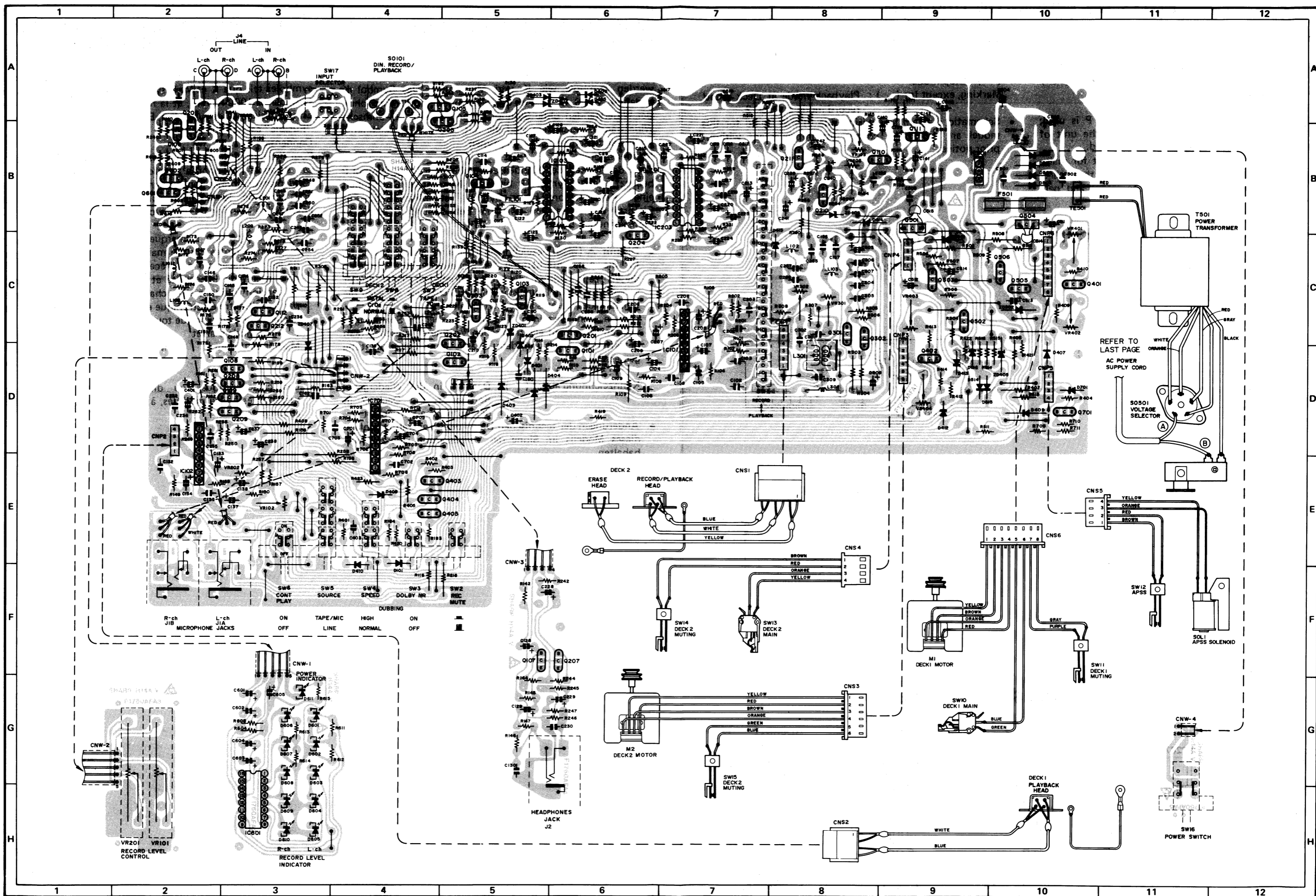


Figure 15 WIRING SIDE OF P.W.BOARD

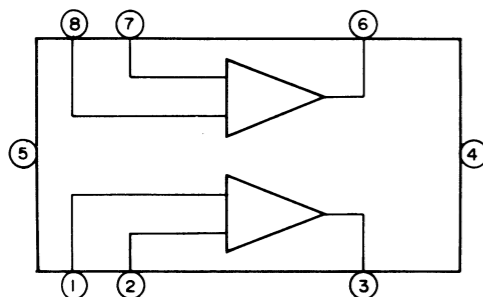
NOTES ON SCHEMATIC DIAGRAM

- **Resistor:**  
To differentiate the units of resistors, such symbols as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000K ohm and the resistor without any symbols is ohm-type resistor.
- **Capacitor:**  
To indicate the unit of capacitor, a symbol P is used; this symbol P means micro-microfarad and the unit of the capacitor without a such symbol is microfarad.  
Parts marked with "Δ" (■) 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.

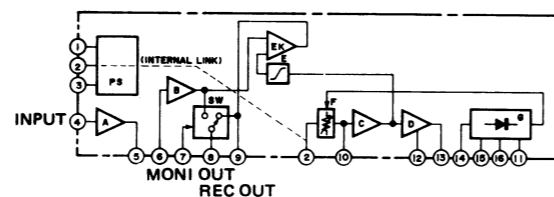
- The indicated voltage in each section is the one measured by electronic voltmeter between such a section and the chassis with no signal given.  
( ) : Stop mode  
Marking, except for ( ) : Playback mode at Deck 1 and record mode at Deck 2
- Schematic diagram and wiring side of P.W.Board for this model are subject to change for improvement without prior notice.

EQUIVALENT CIRCUIT (BLOCK DIAGRAM) OF IC

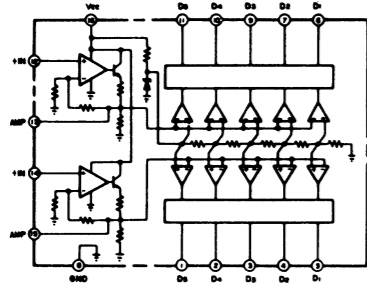
IC101, 102; VHIUPC1228H-1



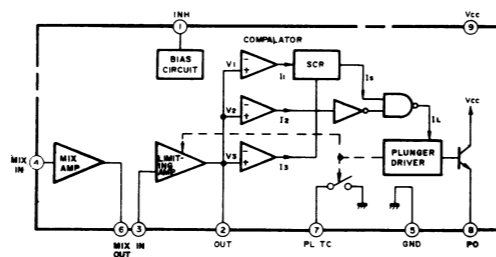
IC103, 203; VHITA7629P/-1



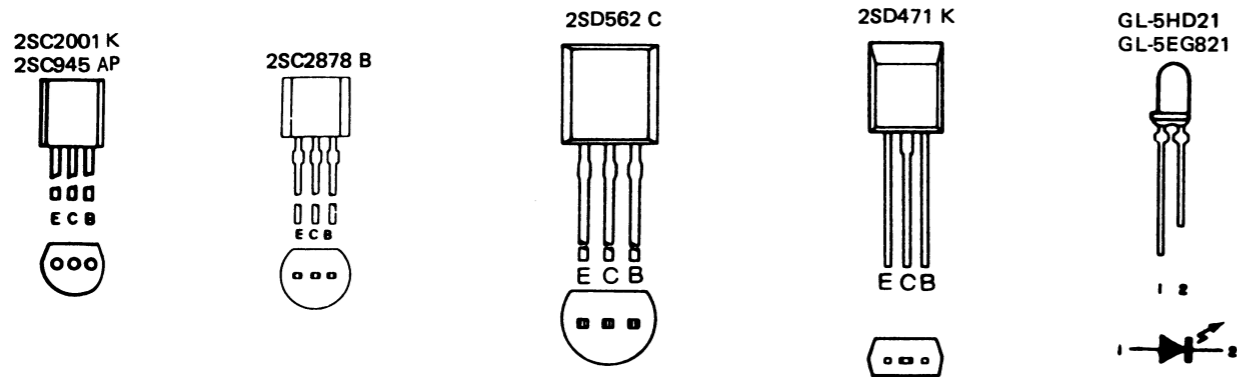
IC601; VHIIR2E27A/-1



IC701; VHITA7341P/-1



TYPES OF TRANSISTOR AND LED



ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN

Widerstände:  
Um die Einheiten der Widerstände unterscheiden zu können, werden Symbole wie K und M benutzt. Das Symbol K bedeutet 1 000 Ohm und das Symbol M 1 000 Kilo-ohm; Bei Widerständen ohne Symbol handelt es sich um ohmsche Widerstände. Außerdem sind die mit "Fusible" bezeichneten Widerstände Schmelzsicherungstypen.  
Kondensatoren:  
Zum Bezeichnen der Kondensatoreinheit wird das Symbol P benutzt; dieses Symbol P bedeutet Nanofarad. Die Einheit eines Kondensators ohne Symbol ist Mikrofarad. Für Elektrolytkondensatoren wird die Bezeichnung "Kapazität-/Stehspannung" benutzt.

- Die mit Δ (■) bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als auch die Leistung des Gerätes aufrechtzuerhalten.
- Die in den einzelnen Teilen angegebenen Spannungen werden mit einem elektronischen Voltmeter zwischen dem betreffenden Teil und dem Chassis ohne Signalzuleitung gemessen.  
( ) : Stopp-Betriebsart  
Kennzeichnung außer ( ) : Deck 1 in der Wiedergabe-Betriebsart und Deck 2 in der Aufnahme-Betriebsart
- Änderungen der technischen Daten oder Verdrahtungspläne dieses Modells im Sinne der Verbesserung jederzeit vorbehalten.

REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE

Résistance:  
Pour différencier les unités de résistances, on utilise des symboles tels que K et M: le symbole K signifie 1000 ohms, le symbole M 1000 Kohms, et la résistance donnée sans symbole est une résistance de type ohm. En outre, celle qui est dotées de "Fusible" est de type à fusible.  
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";

- Les pièces portant la marque Δ (■) 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.
- La tension indiquée dans chaque section est celle mesurée par le voltmètre électronique entre la section en question et le châssis, en l'absence de tout signal.  
( ) : Mode d'arrêt  
Marque sauf pour ( ) : Mode de lecture à la platine 1 et mode d'enregistrement à la platine 2
- Les caractéristiques ou diagrammes de câblage sont susceptibles d'être modifiés, à des fins d'amélioration, sans aucun préavis.

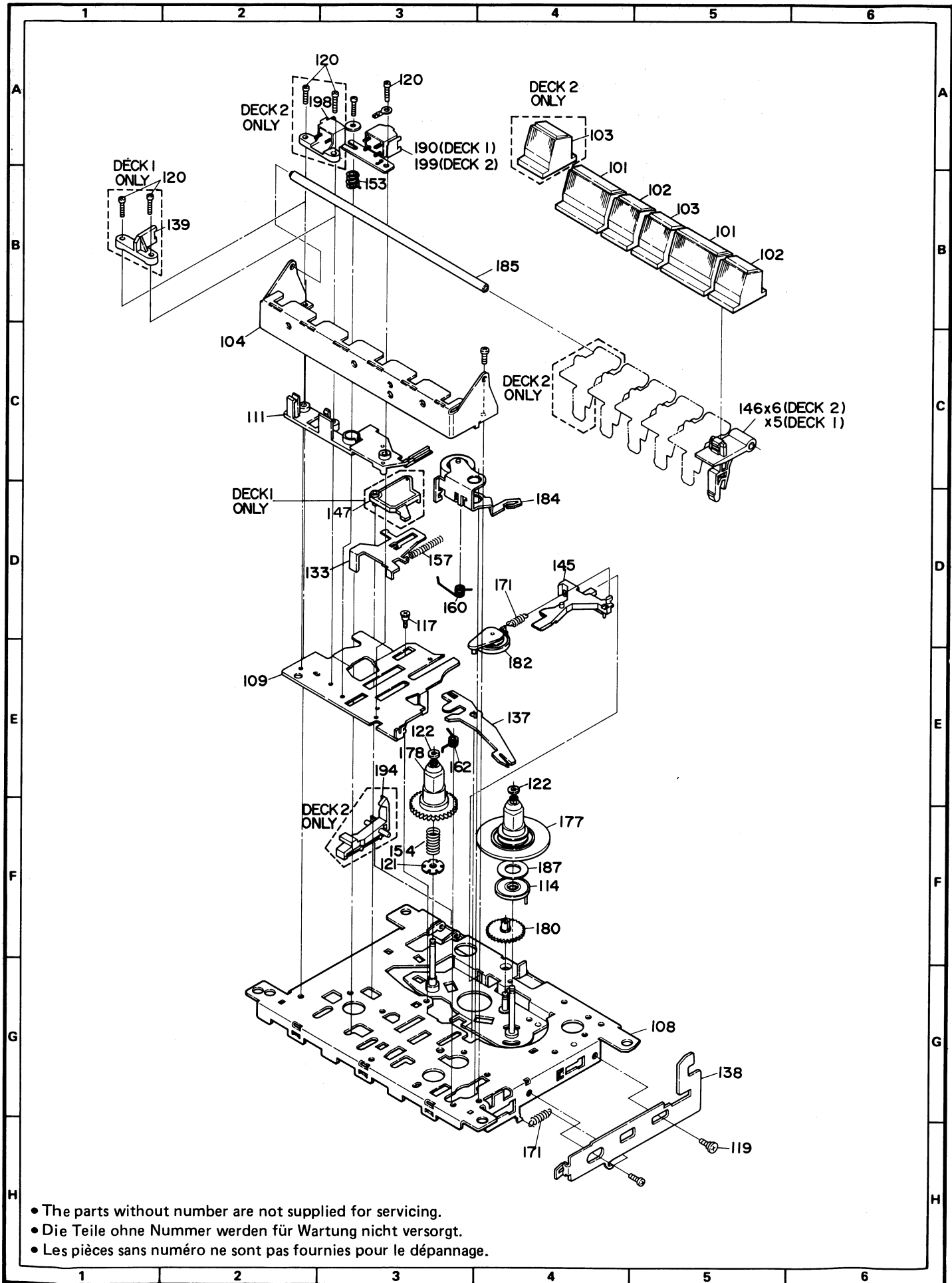


Figure 19 CABINET EXPLODED VIEW

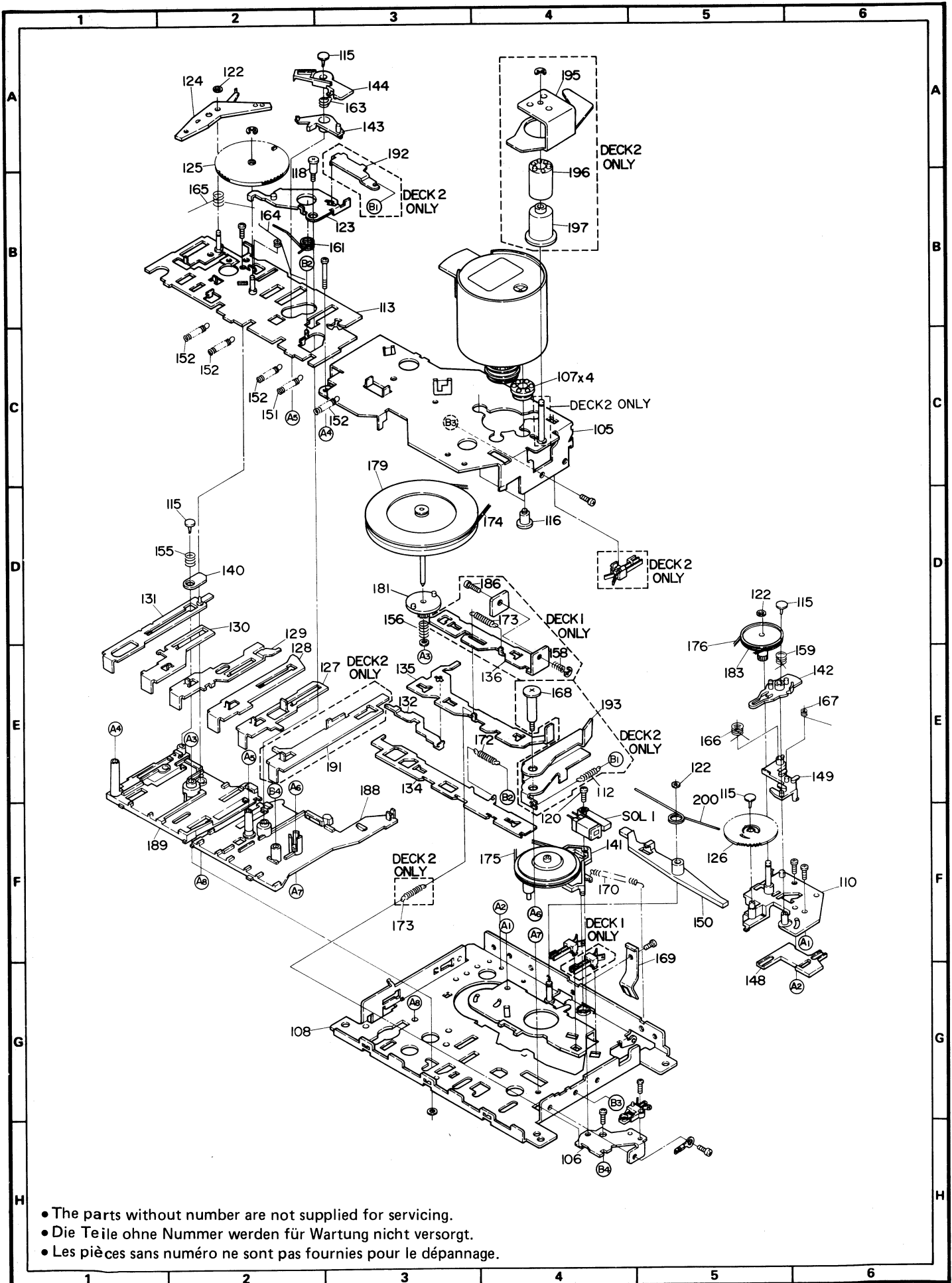
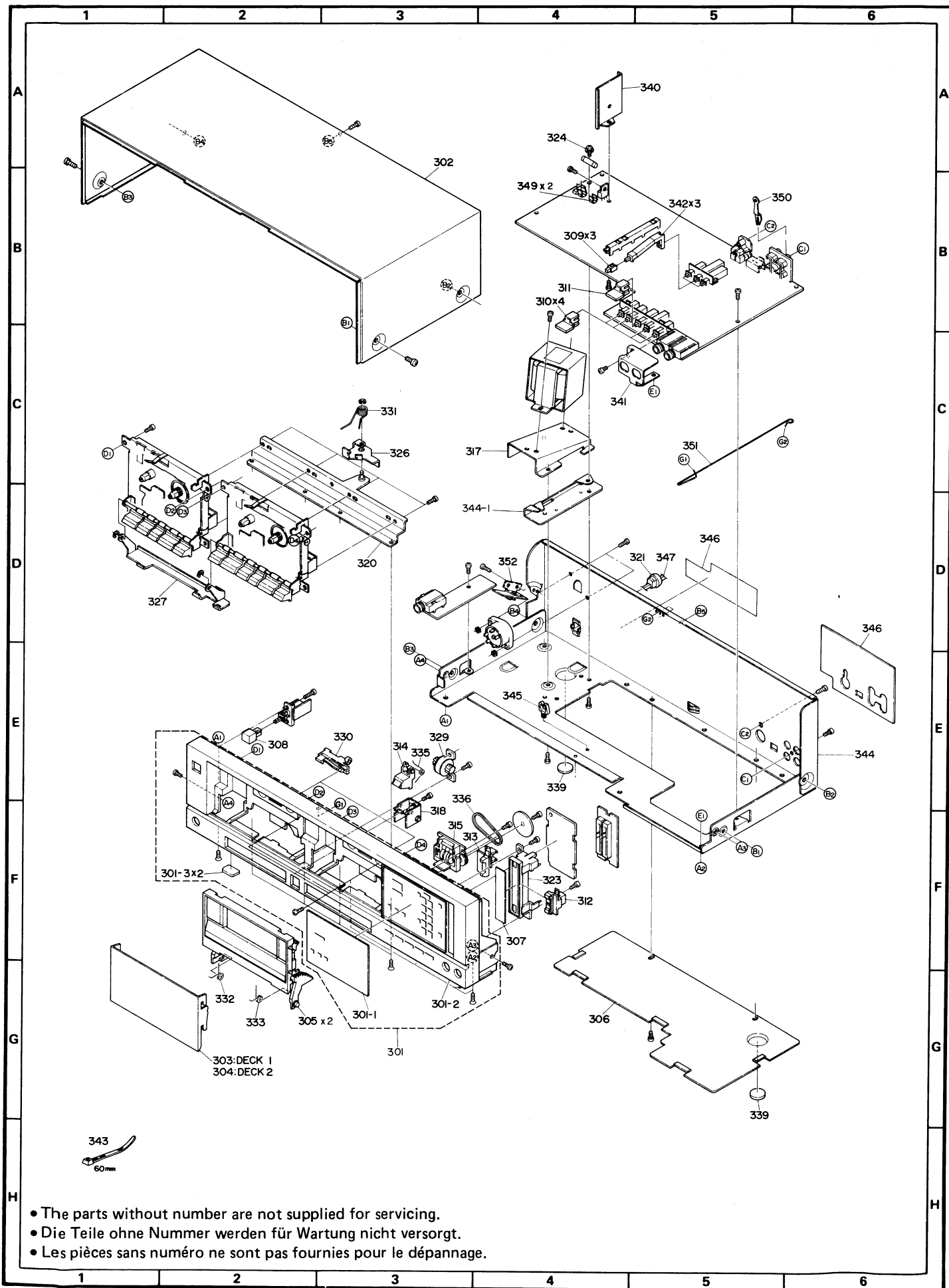


Figure 20 MECHANISM EXPLODED VIEW (1/2)



- The parts without number are not supplied for servicing.
- Die Teile ohne Nummer werden für Wartung nicht versorgt.
- Les pièces sans numéro ne sont pas fournies pour le dépannage.

Figure 21 MECHANISM EXPLODED VIEW (2/2)

## 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 ausführen 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 für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als 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 sécurité. 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 | REF.NO.       | PART NO.      | DESCRIPTION             | CODE |
|----------------------------|---------------|------------------------------|------|---------------|---------------|-------------------------|------|
| <b>INTEGRATED CIRCUITS</b> |               |                              |      |               |               |                         |      |
| IC101                      | VHIUPC1228H-1 | PRE Amp. μPC1228H            | AF   | Q502          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| IC102                      | VHIUPC1228H-1 | PRE Amp. μPC1228H            | AF   | Q503          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| IC103                      | VHITA7629P/-1 | Dolby NR Circuit, TA7629P    | AL   | Q504          | VS2SD471-K/-A | Silicon, NPN, 2SD471 K  | AD   |
| IC203                      | VHITA7629P/-1 | Dolby NR Circuit, TA7629P    | AL   | Q505          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| IC501                      | VHIUPC78M12H1 | Voltage Regulator, μPC78M12H | AK   | Q506          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| IC601                      | VHIIR2E27A/-1 | Level Meter Driver, IR2E27A  | AK   | Q601          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| IC701                      | VHITA7341P/-1 | APSS Circuit, TA7341P        | AG   | Q602          | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP | AB   |
| <b>TRANSISTORS</b>         |               |                              |      |               |               |                         |      |
| Q101                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | Q701          | VS2SB562-C/-1 | Silicon, PNP, 2SB562 C  | AD   |
| Q102                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | <b>DIODES</b> |               |                         |      |
| Q103                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D101          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q104                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D401          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q105                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D402          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q106                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D403          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q107                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D404          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q108                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D405          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q109                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D406          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q110                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D407          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q111                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D408          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q112                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D409          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q201                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D410          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q202                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D411          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q203                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D412          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q204                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D413          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q205                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D414          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q206                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D415          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q207                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D501          | VHD11E1TA2/-1 | Silicon, 11E1TA2        | AB   |
| Q208                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D502          | VHD11E1TA2/-1 | Silicon, 11E1TA2        | AB   |
| Q209                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D503          | VHD11E1TA2/-1 | Silicon, 11E1TA2        | AB   |
| Q210                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D504          | VHD11E1TA2/-1 | Silicon, 11E1TA2        | AB   |
| Q211                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D514          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q212                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D515          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q301                       | VS2SC2001-K-1 | Silicon, NPN, 2SC2001 K      | AB   | D516          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |
| Q302                       | VS2SC2001-K-1 | Silicon, NPN, 2SC2001 K      | AB   | D601          | VHPGL5HD21/-1 | LED, Red, GL-5HD21      | AC   |
| Q401                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D602          | VHPGL5HD21/-1 | LED, Red, GL-5HD21      | AC   |
| Q402                       | VS2SC2878B/-1 | Silicon, NPN, 2SC2878 B      | AC   | D603          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
| Q403                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D604          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
| Q404                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D605          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
| Q405                       | VS2SC945AP/-1 | Silicon, NPN, 2SC945 AP      | AB   | D606          | VHPGL5HD21/-1 | LED, Red, GL-5HD21      | AC   |
| Q501                       | VS2SD471-K/-A | Silicon, NPN, 2SD471 K       | AD   | D607          | VHPGL5HD21/-1 | LED, Red, GL-5HD21      | AC   |
|                            |               |                              |      | D608          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
|                            |               |                              |      | D609          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
|                            |               |                              |      | D610          | VHPGL5EG821-1 | LED, Green, GL-5EG821   | AC   |
|                            |               |                              |      | D611          | VHPGL5HD21/-1 | LED, Red, GL-5HD21      | AC   |
|                            |               |                              |      | D701          | VHD1SS119//-1 | Silicon, 1SS119         | AA   |



| REF.NO. | PART NO.      | DESCRIPTION                                | CODE |
|---------|---------------|--|------|
| ZD401   | VHERD4R7JB2-1 | Zener, 4.53~4.77V/400mW, RD4.7JB2          | AB   |
| ZD402   | VHERD6R2JB2-1 | Silicon, Zener, 6.04~6.34V/400mW, RD6.2JB2 | AB   |
| ZD403   | VHERD6R2JB2-1 | Silicon, Zener, 6.04~6.34V/400mW, RD6.2JB2 | AB   |
| ZD404   | VHERD6R2JB2-1 | Silicon, Zener, 6.04~6.34V/400mW, RD6.2JB2 | AB   |
| ZD405   | VHERD6R2JB2-1 | Silicon, Zener, 6.04~6.34V/400mW, RD6.2JB2 | AB   |
| ZD407   | VHERD4R7JB2-1 | Zener, 4.53~4.77V/400mW, RD4.7JB2          | AB   |
| ZD501   | VHERD200JB1-1 | Zener, 20V, RD20JB1                        | AB   |
| ZD502   | VHERD200JB1-1 | Zener, 20V, RD20JB1                        | AB   |

**COILS**

|      |                |                         |    |
|------|----------------|-------------------------|----|
| L101 | RCILZ0087AFZZ  | 8.2mH, Record Equalizer | AC |
| L102 | RCILZ0086AFZZ  | 6.8mH, Record Equalizer | AC |
| L201 | RCILZ0087AFZZ  | 8.2mH, Record Equalizer | AC |
| L202 | RCILZ0086AFZZ  | 6.8mH, Record Equalizer | AC |
| L301 | RCILB0712AFZZ  | Bias Oscillator         | AD |
| L302 | VP-CH561 K0000 | 560 μH, Choke           | AB |
| L303 | RCILZ0120AFZZ  | 15mH, Bias Trap         | AC |
| L304 | RCILZ0120AFZZ  | 15mH, Bias Trap         | AC |

**TRANSFORMER**

|       |               |       |    |
|-------|---------------|-------|----|
| △T501 | RTRNP1023AFZZ | Power | AX |
|-------|---------------|-------|----|

**FILTERS**

|        |               |           |    |
|--------|---------------|-----------|----|
| FIL101 | RCILLO091AFZZ | Multiplex | AF |
| FIL201 | RCILLO091AFZZ | Multiplex | AF |

**CONTROLS**

|       |               |  |    |
|-------|---------------|--|----|
| VR101 | RVR-P0108AFZZ | 50 kohm (A), Record Level Control                  | AF |
| VR102 | RVR-M0384AFZZ | 200 ohm(B), Deck 1 Playback Sensitivity Adjustment | AB |
| VR103 | RVR-M0391AFZZ | 10 kohm (B), Record Sensitivity Adjustment         | AB |
| VR201 | RVR-P0108AFZZ | 50 kohm (A), Record Level Control                  | AF |
| VR202 | RVR-M0384AFZZ | 200 ohm(B), Deck 1 Playback Sensitivity Adjustment | AB |
| VR203 | RVR-M0391AFZZ | 10 kohm (B), Record Sensitivity Adjustment         | AB |
| VR301 | RVR-M0394AFZZ | 50 kohm (B), Bias Oscillator Adjustment            | AB |
| VR302 | RVR-M0394AFZZ | 50 kohm (B), Bias Oscillator Adjustment            | AB |
| VR401 | RVR-M0391AFZZ | 10 kohm (B), Deck1 Normal Speed Adjustment         | AB |
| VR402 | RVR-M0391AFZZ | 10 kohm (B), Deck1 Normal Speed Adjustment         | AB |
| VR403 | RVR-M0391AFZZ | 10 kohm (B), Deck2 Normal Speed Adjustment         | AB |
| VR404 | RVR-M0391AFZZ | 10 kohm (B), Deck2 Normal Speed Adjustment         | AB |

**ELECTROLYTIC CAPACITORS**

(Unless otherwise specified electrolytic capacitors are ±20% type.)

|      |                |             |    |
|------|----------------|-------------|----|
| C104 | RC-EZA107AF1C  | 100 μF, 16V | AB |
| C105 | VCEALA1 HC105M | 1 μF, 50V   | AB |
| C107 | RC-EZA476AF1A  | 47 μF, 10V  | AB |
| C109 | RC-EZA106AF1C  | 10 μF, 16V  | AB |
| C110 | RC-EZA475AF1E  | 4.7 μF, 25V | AB |

| REF.NO. | PART NO.       | DESCRIPTION  | CODE |
|---------|----------------|--------------|------|
| C111    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C113    | RC-EZA474AF1H  | 0.47 μF, 50V | AB   |
| C115    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C120    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C121    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C122    | RC-EZA227AF1A  | 220 μF, 10V  | AB   |
| C123    | RC-EZA227AF1C  | 220 μF, 16V  | AB   |
| C124    | RC-EZA104AF1H  | 0.1 μF, 50V  | AB   |
| C125    | RC-EZA334AF1H  | 0.33 μF, 50V | AB   |
| C126    | RC-EZA225AF1H  | 2.2 μF, 50V  | AB   |
| C127    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C128    | RC-EZA335AF1H  | 3.3 μF, 50V  | AB   |
| C129    | RC-EZA476AF1A  | 47 μF, 10V   | AB   |
| C133    | RC-EZA107AF1C  | 100 μF, 16V  | AB   |
| C134    | VCEALA1 HC105M | 1 μF, 50V    | AB   |
| C137    | RC-EZA476AF1A  | 47 μF, 10V   | AB   |
| C138    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C139    | RC-EZA334AF1H  | 0.33 μF, 50V | AB   |
| C140    | RC-EZA335AF1H  | 3.3 μF, 50V  | AB   |
| C141    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C142    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C159    | RC-EZA335AF1H  | 3.3 μF, 50V  | AB   |
| C205    | VCEALA1 HC105M | 1 μF, 50V    | AB   |
| C207    | RC-EZA476AF1A  | 47 μF, 10V   | AB   |
| C209    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C210    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C211    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C213    | RC-EZA474AF1H  | 0.47 μF, 50V | AB   |
| C215    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C220    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C221    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C222    | RC-EZA227AF1A  | 220 μF, 10V  | AB   |
| C224    | RC-EZA104AF1H  | 0.1 μF, 50V  | AB   |
| C225    | RC-EZA334AF1H  | 0.33 μF, 50V | AB   |
| C227    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C228    | RC-EZA335AF1H  | 3.3 μF, 50V  | AB   |
| C229    | RC-EZA476AF1A  | 47 μF, 10V   | AB   |
| C234    | VCEALA1 HC105M | 1 μF, 50V    | AB   |
| C237    | RC-EZA476AF1A  | 47 μF, 10V   | AB   |
| C238    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C239    | RC-EZA334AF1H  | 0.33 μF, 50V | AB   |
| C240    | RC-EZA335AF1H  | 3.3 μF, 50V  | AB   |
| C241    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C242    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C303    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C308    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C401    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C402    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C503    | RC-EZ1191AFZZ  | 2200 μF, 35V | AG   |
| C506    | RC-EZA107AF1C  | 100 μF, 16V  | AB   |
| C510    | RC-EZA226AF1E  | 22 μF, 25V   | AB   |
| C511    | RC-EZA106AF1E  | 10 μF, 25V   | AB   |
| C512    | RC-EZA106AF1E  | 10 μF, 25V   | AB   |
| C513    | RC-EZS335AF1H  | 3.3 μF, 50V  | AB   |
| C514    | RC-EZS335AF1H  | 3.3 μF, 50V  | AB   |
| C601    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C602    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C603    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C604    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C605    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |
| C701    | RC-EZA475AF1E  | 4.7 μF, 25V  | AB   |
| C704    | RC-EZA226AF1C  | 22 μF, 16V   | AB   |
| C705    | RC-EZA106AF1C  | 10 μF, 16V   | AB   |

**CAPACITORS**

(The terms CM, SC and ML used here indicate the types of capacitor ceramic type, semiconductor type and mylar type.)

|      |                |                         |    |
|------|----------------|-------------------------|----|
| C102 | VCTYP1A1EX122J | 0.0012 μF, 25V, ±5%, SC | AA |
|------|----------------|-------------------------|----|

# RT-1010H(S)

| REF.NO. | PART NO.      | DESCRIPTION                                   | CODE | REF.NO.  | PART NO.      | DESCRIPTION                         | CODE |
|---------|---------------|---|------|--|---------------|-------------------------------------|------|
| C103    | VCTYPA1EX332J | 0.0033 $\mu$ F, 25V, $\pm$ 5%, SC             | AB   | C504   | VCQYKA1HM104M | 0.1 $\mu$ F, 50V, $\pm$ 20%, ML     | AB   |
| C106    | VCCSPA1HL221J | 220 pF, 50V, $\pm$ 5%, CM                     | AA   | C505   | VCQYKA1HM104M | 0.1 $\mu$ F, 50V, $\pm$ 20%, ML     | AB   |
| C108    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | C514   | VCQYKA1HM104M | 0.1 $\mu$ F, 50V, $\pm$ 20%, ML     | AB   |
| C112    | VCCSPA1HL560J | 56 pF, 50V, $\pm$ 5%, CM                      | AA   | C515   | VCQYKA1HM104M | 0.1 $\mu$ F, 50V, $\pm$ 20%, ML     | AB   |
| C114    | VCTYPA1EX182J | 0.0018 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | C702   | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM | AA   |
| C116    | VCTYPA1EX273J | 0.027 $\mu$ F, 25V, $\pm$ 5%, SC              | AB   | C703   | VCTYPA1EX333J | 0.033 $\mu$ F, 25V, $\pm$ 5%, SC    | AB   |
| C117    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | <b>RESISTORS</b>   |               |                                     |      |
| C118    | VCTYPA1EX473J | 0.047 $\mu$ F, 25V, $\pm$ 5%, SC              | AB   | (Unless otherwise specified, resistors are 1/6W, $\pm$ 5%, carbon type.) |               |                                     |      |
| C119    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R101   | VRD-ST2CD682J | 6.8 kohms                           | AA   |
| C130    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R102   | VRD-ST2CD102J | 1 kohm                              | AA   |
| C131    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R103   | VRD-ST2CD153J | 15 kohms                            | AA   |
| C132    | VCCSPA1HL471J | 470 pF, 50V, $\pm$ 5%, CM                     | AA   | R104   | VRD-ST2CD181J | 180 ohms                            | AA   |
| C135    | VCCSPA1HL221J | 220 pF, 50V, $\pm$ 5%, CM                     | AA   | R105   | VRD-ST2CD333J | 33 kohms                            | AA   |
| C136    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R106   | VRD-ST2CD333J | 33 kohms                            | AA   |
| C145    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R107   | VRD-ST2CD223J | 22 kohms                            | AA   |
| C146    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R108   | VRD-ST2CD474J | 470 kohms                           | AA   |
| C147    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R109   | VRD-ST2EE471J | 470 ohms, 1/4W, $\pm$ 5%, Carbon    | AA   |
| C148    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R110   | VRD-ST2CD153J | 15 kohms                            | AA   |
| C150    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R111   | VRD-ST2CD123J | 12 kohms                            | AA   |
| C151    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R112   | VRD-ST2CD562J | 5.6 kohms                           | AA   |
| C152    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R113   | VRD-ST2CD822J | 8.2 kohms                           | AA   |
| C154    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R114   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C155    | VCCSPA1HL681J | 680 pF, 50V, $\pm$ 5%, CM                     | AA   | R115   | VRD-ST2CD273J | 27 kohms                            | AA   |
| C156    | VCCSPA1HL271J | 270 pF, 50V, $\pm$ 5%, CM                     | AA   | R116   | VRD-ST2CD562J | 5.6 kohms                           | AA   |
| C157    | VCCSPA1HL271J | 270 pF, 50V, $\pm$ 5%, CM                     | AA   | R117   | VRD-ST2CD472J | 4.7 kohms                           | AA   |
| C158    | VCKYDT1HB471K | 470 pF, 50V, $\pm$ 10%, CM                    | AA   | R118   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C160    | VCKYDT1HB102K | 0.001 $\mu$ F, 50V, $\pm$ 10%, CM             | AA   | R119   | VRD-ST2CD154J | 150 kohms                           | AA   |
| C162    | VCKYDT1HB331K | 330 pF, 50V, $\pm$ 10%, CM                    | AA   | R120   | VRD-ST2CD394J | 390 kohms                           | AA   |
| C202    | VCTYPA1EX122J | 0.0012 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R121   | VRD-ST2CD152J | 1.5 kohms                           | AA   |
| C203    | VCTYPA1EX103J | 0.001 $\mu$ F, 25V, $\pm$ 5%, SC              | AA   | R122   | VRD-ST2CD332J | 3.3 kohms                           | AA   |
| C206    | VCCSPA1HL221J | 220 pF, 50V, $\pm$ 5%, CM                     | AA   | R123   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C208    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R124   | VRD-ST2CD273J | 27 kohms                            | AA   |
| C212    | VCCSPA1HL560J | 56 pF, 50V, $\pm$ 5%, CM                      | AA   | R125   | VRD-ST2CD104J | 100 kohm                            | AA   |
| C214    | VCTYPA1EX182J | 0.0018 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R126   | VRD-ST2CD332J | 3.3 kohms                           | AA   |
| C216    | VCTYPA1EX273J | 0.027 $\mu$ F, 25V, $\pm$ 5%, SC              | AB   | R127   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C217    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R128   | VRD-ST2CD105J | 1 Mohm                              | AA   |
| C218    | VCTYPA1EX473J | 0.047 $\mu$ F, 25V, $\pm$ 5%, SC              | AB   | R129   | VRD-ST2CD473J | 47 kohms                            | AA   |
| C219    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R130   | VRD-ST2CD154J | 150 kohms                           | AA   |
| C230    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R131   | VRD-ST2CD274J | 270 kohms                           | AA   |
| C232    | VCCSPA1HL471J | 470 pF, 50V, $\pm$ 5%, CM                     | AA   | R132   | VRD-ST2CD181J | 180 ohms                            | AA   |
| C235    | VCCSPA1HL221J | 220 pF, 50V, $\pm$ 5%, CM                     | AA   | R133   | VRD-ST2CD273J | 27 kohms                            | AA   |
| C236    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R134   | VRD-ST2CD224J | 220 kohms                           | AA   |
| C245    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R135   | VRD-ST2CD223J | 22 kohms                            | AA   |
| C246    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R137   | VRD-ST2CD152J | 1.5 kohms                           | AA   |
| C247    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R138   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C248    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R139   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C250    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R140   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C251    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R141   | VRD-ST2CD152J | 1.5 kohms                           | AA   |
| C252    | VCTYPA1EX562J | 0.0056 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R142   | VRD-ST2CD102J | 1 kohm                              | AA   |
| C254    | VCTYPA1EX682J | 0.0068 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R144   | VRD-ST2CD473J | 47 kohms                            | AA   |
| C255    | VCCSPA1HL681J | 680 pF, 50V, $\pm$ 5%, CM                     | AA   | R145   | VRD-ST2CD471J | 470 ohms                            | AA   |
| C256    | VCCSPA1HL271J | 270 pF, 50V, $\pm$ 5%, CM                     | AA   | R146   | VRD-ST2CD561J | 560 ohms                            | AA   |
| C257    | VCCSPA1HL271J | 270 pF, 50V, $\pm$ 5%, CM                     | AA   | R147   | VRD-ST2CD820J | 82 ohms                             | AA   |
| C258    | VCKYDT1HB471K | 470 pF, 50V, $\pm$ 10%, CM                    | AA   | R148   | VRD-ST2CD273J | 27 kohms                            | AA   |
| C262    | VCKYDT1HB331K | 330 pF, 50V, $\pm$ 10%, CM                    | AA   | R149   | VRD-ST2CD102J | 1 kohm                              | AA   |
| C301    | VCCSPA1HL151J | 150 pF, 50V, $\pm$ 5%, CM                     | AA   | R150   | VRD-ST2CD181J | 180 ohms                            | AA   |
| C302    | VCCSPA1HL151J | 150 pF, 50V, $\pm$ 5%, CM                     | AA   | R151   | VRD-ST2CD333J | 33 kohms                            | AA   |
| C304    | VCTYPA1EX103J | 0.01 $\mu$ F, 25V, $\pm$ 5%, SC               | AA   | R152   | VRD-ST2CD223J | 22 kohms                            | AA   |
| C305    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R153   | VRD-ST2CD333J | 33 kohms                            | AA   |
| C306    | VCTYPA1EX472J | 0.0047 $\mu$ F, 25V, $\pm$ 5%, SC             | AA   | R154   | VRD-ST2CD223J | 22 kohms                            | AA   |
| C307    | VCTYPA1EX123J | 0.012 $\mu$ F, 25V, $\pm$ 5%, SC              | AA   | R155   | VRD-ST2CD474J | 470 kohms                           | AA   |
| C309    | VCQPKA2AA682J | 0.0068 $\mu$ F, 100V, $\pm$ 5%, Polypropylene | AB   | R156   | VRD-ST2EE471J | 470 ohms, 1/4W, $\pm$ 5%, Carbon    | AA   |
| C403    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R157   | VRD-ST2CD103J | 10 kohm                             | AA   |
| C501    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R158   | VRD-ST2CD333J | 33 kohms                            | AA   |
| C502    | VCKZPA1HF403Z | 0.04 $\mu$ F, 50V, $\pm$ 80-20%, CM           | AA   | R159   | VRD-ST2CD222J | 2.2 kohms                           | AA   |
|         |               |   |      | R160   | VRD-ST2CD222J | 2.2 kohms                           | AA   |

| REF.NO. | PART NO.      | DESCRIPTION | CODE | REF.NO. | PART NO.      | DESCRIPTION                                  | CODE |
|---------|---------------|-------------|------|---------|---------------|--|------|
| R161    | VRD-ST2CD103J | 10 kohm     | AA   | R252    | VRD-ST2CD223J | 22 kohms                                     | AA   |
| R162    | VRD-ST2CD103J | 10 kohm     | AA   | R253    | VRD-ST2CD333J | 33 kohms                                     | AA   |
| R163    | VRD-ST2CD273J | 27 kohms    | AA   | R254    | VRD-ST2CD223J | 22 kohms                                     | AA   |
| R164    | VRD-ST2CD103J | 10 kohm     | AA   | R255    | VRD-ST2CD474J | 470 kohms                                    | AA   |
| R165    | VRD-ST2CD123J | 12 kohms    | AA   | R257    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R166    | VRD-ST2CD223J | 22 kohms    | AA   | R258    | VRD-ST2CD333J | 33 kohms                                     | AA   |
| R167    | VRD-ST2CD154J | 150 kohms   | AA   | R259    | VRD-ST2CD222J | 2.2 kohms                                    | AA   |
| R168    | VRD-ST2CD332J | 3.3 kohms   | AA   | R260    | VRD-ST2CD222J | 2.2 kohms                                    | AA   |
| R170    | VRD-ST2CD684J | 680 kohm    | AA   | R261    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R171    | VRD-ST2CD153J | 15 kohms    | AA   | R262    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R172    | VRD-ST2CD181J | 180 ohms    | AA   | R263    | VRD-ST2CD273J | 27 kohms                                     | AA   |
| R173    | VRD-ST2CD392J | 3.9 kohms   | AA   | R264    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R174    | VRD-ST2CD121J | 120 ohms    | AA   | R265    | VRD-ST2CD123J | 12 kohms                                     | AA   |
| R175    | VRD-ST2CD332J | 3.3 kohms   | AA   | R266    | VRD-ST2CD223J | 22 kohms                                     | AA   |
| R176    | VRD-ST2CD222J | 2.2 kohms   | AA   | R267    | VRD-ST2CD154J | 150 kohms                                    | AA   |
| R177    | VRD-ST2CD332J | 3.3 kohms   | AA   | R268    | VRD-ST2CD332J | 3.3 kohms                                    | AA   |
| R178    | VRD-ST2CD182J | 1.8 kohms   | AA   | R270    | VRD-ST2CD684J | 680 kohm                                     | AA   |
| R179    | VRD-ST2CD103J | 10 kohm     | AA   | R271    | VRD-ST2CD153J | 15 kohms                                     | AA   |
| R180    | VRD-ST2CD123J | 12 kohms    | AA   | R272    | VRD-ST2CD181J | 180 ohms                                     | AA   |
| R181    | VRD-ST2CD102J | 1 kohm      | AA   | R273    | VRD-ST2CD392J | 3.9 kohms                                    | AA   |
| R182    | VRD-ST2CD102J | 1 kohm      | AA   | R274    | VRD-ST2CD121J | 120 ohms                                     | AA   |
| R183    | VRD-ST2CD103J | 10 kohm     | AA   | R275    | VRD-ST2CD332J | 3.3 kohms                                    | AA   |
| R184    | VRD-ST2CD103J | 10 kohm     | AA   | R276    | VRD-ST2CD222J | 2.2 kohms                                    | AA   |
| R186    | VRD-ST2CD472J | 4.7 kohms   | AA   | R277    | VRD-ST2CD332J | 3.3 kohms                                    | AA   |
| R188    | VRD-ST2CD152J | 1.5 kohms   | AA   | R278    | VRD-ST2CD182J | 1.8 kohms                                    | AA   |
| R201    | VRD-ST2CD682J | 6.8 kohms   | AA   | R279    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R202    | VRD-ST2CD102J | 1 kohm      | AA   | R280    | VRD-ST2CD123J | 12 kohms                                     | AA   |
| R203    | VRD-ST2CD153J | 15 kohms    | AA   | R281    | VRD-ST2CD102J | 1 kohm                                       | AA   |
| R204    | VRD-ST2CD181J | 180 ohms    | AA   | R282    | VRD-ST2CD102J | 1 kohm                                       | AA   |
| R205    | VRD-ST2CD333J | 33 kohms    | AA   | R288    | VRD-ST2CD152J | 1.5 kohms                                    | AA   |
| R206    | VRD-ST2CD333J | 33 kohms    | AA   | R303    | VRD-ST2EE4R7J | 4.7 ohms, 1/4W, $\pm 5\%$ ,<br>Carbon        | AA   |
| R207    | VRD-ST2CD223J | 22 kohms    | AA   | R304    | VRD-ST2EE4R7J | 4.7 ohms, 1/4W, $\pm 5\%$ ,<br>Carbon        | AA   |
| R208    | VRD-ST2CD474J | 470 kohms   | AA   | R305    | VRD-ST2CD273J | 27 kohms                                     | AA   |
| R210    | VRD-ST2CD153J | 15 kohms    | AA   | R306    | VRD-ST2CD273J | 27 kohms                                     | AA   |
| R211    | VRD-ST2CD123J | 12 kohms    | AA   | R307    | VRD-ST2CD473J | 47 kohms                                     | AA   |
| R212    | VRD-ST2CD562J | 5.6 kohms   | AA   | R308    | VRD-ST2CD473J | 47 kohms                                     | AA   |
| R213    | VRD-ST2CD822J | 8.2 kohms   | AA   | R309    | VRG-ST2EC180J | 18 ohms, 1/4W, $\pm 5\%$ ,<br>Fusible        | AB   |
| R214    | VRD-ST2CD103J | 10 kohm     | AA   | R310    | VRS-PT3AB101J | 100 ohm, 1W, $\pm 5\%$ , Metal<br>Oxide Film | AA   |
| R215    | VRD-ST2CD273J | 27 kohms    | AA   | R311    | VRD-ST2HD221J | 220 ohms, 1/2W, $\pm 5\%$ ,<br>Carbon        | AA   |
| R216    | VRD-ST2CD562J | 5.6 kohms   | AA   | R401    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R217    | VRD-ST2CD472J | 4.7 kohms   | AA   | R402    | VRD-ST2CD153J | 15 kohms                                     | AA   |
| R218    | VRD-ST2CD103J | 10 kohm     | AA   | R403    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R219    | VRD-ST2CD154J | 150 kohms   | AA   | R404    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R220    | VRD-ST2CD394J | 390 kohms   | AA   | R405    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R221    | VRD-ST2CD152J | 1.5 kohms   | AA   | R406    | VRD-ST2CD332J | 3.3 kohms                                    | AA   |
| R222    | VRD-ST2CD332J | 3.3 kohms   | AA   | R407    | VRD-ST2CD224J | 220 kohms                                    | AA   |
| R223    | VRD-ST2CD103J | 10 kohm     | AA   | R408    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R224    | VRD-ST2CD273J | 27 kohms    | AA   | R409    | VRD-ST2CD272J | 2.7 kohms                                    | AA   |
| R225    | VRD-ST2CD104J | 100 kohm    | AA   | R410    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R226    | VRD-ST2CD332J | 3.3 kohms   | AA   | R412    | VRD-ST2CD224J | 220 kohms                                    | AA   |
| R227    | VRD-ST2CD103J | 10 kohm     | AA   | R413    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R228    | VRD-ST2CD105J | 1 Mohm      | AA   | R414    | VRD-ST2CD272J | 2.7 kohms                                    | AA   |
| R229    | VRD-ST2CD473J | 47 kohms    | AA   | R419    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R230    | VRD-ST2CD154J | 150 kohms   | AA   | R420    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R231    | VRD-ST2CD274J | 270 kohms   | AA   | R421    | VRD-ST2CD124J | 120 kohms                                    | AA   |
| R232    | VRD-ST2CD181J | 180 ohms    | AA   | R422    | VRD-ST2CD104J | 100 kohm                                     | AA   |
| R237    | VRD-ST2CD152J | 1.5 kohms   | AA   | R423    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R238    | VRD-ST2CD103J | 10 kohm     | AA   | R502    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R239    | VRD-ST2CD103J | 10 kohm     | AA   | R504    | VRD-ST2CD104J | 100 kohm                                     | AA   |
| R240    | VRD-ST2CD103J | 10 kohm     | AA   | R505    | VRD-ST2CD103J | 10 kohm                                      | AA   |
| R241    | VRD-ST2CD152J | 1.5 kohms   | AA   | R506    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R242    | VRD-ST2CD102J | 1 kohm      | AA   | R507    | VRD-ST2CD222J | 2.2 kohms                                    | AA   |
| R244    | VRD-ST2CD473J | 47 kohms    | AA   | R508    | VRD-ST2CD472J | 4.7 kohms                                    | AA   |
| R245    | VRD-ST2CD471J | 470 ohms    | AA   | R509    | VRD-ST2CD222J | 2.2 kohms                                    | AA   |
| R246    | VRD-ST2CD561J | 560 ohms    | AA   | R511    | VRD-ST2CD104J | 100 kohm                                     | AA   |
| R247    | VRD-ST2CD820J | 82 ohms     | AA   |         |               |  |      |
| R248    | VRD-ST2CD273J | 27 kohms    | AA   |         |               |  |      |
| R249    | VRD-ST2CD102J | 1 kohm      | AA   |         |               |  |      |
| R250    | VRD-ST2CD181J | 180 ohms    | AA   |         |               |  |      |
| R251    | VRD-ST2CD333J | 33 kohms    | AA   |         |               |  |      |

# RT-1010H(S)

| REF.NO.              | PART NO.       | DESCRIPTION                           | CODE | REF.NO.                 | PART NO.      | DESCRIPTION   | CODE |
|----------------------|----------------|---------------------------------------|------|-------------------------|---------------|---|------|
| R512                 | VRD-ST2CD472J  | 4.7 kohms                             | AA   | SW11                    | QSW-F0197AFZZ | Switch, Leaf Type   | AC   |
| R514                 | VRD-ST2CD332J  | 3.3 kohms                             | AA   | SW12                    | QSW-F0197AFZZ | Switch, Leaf Type   | AC   |
| R515                 | VRD-ST2CD332J  | 3.3 kohms                             | AA   | SW13                    | QSW-F0196AFZZ | Switch, Leaf Type   | AE   |
| R516                 | VRD-ST2CD332J  | 3.3 kohms                             | AA   | SW14                    | QSW-F0197AFZZ | Switch, Leaf Type   | AC   |
| R517                 | VRD-ST2CD183J  | 18 kohms                              | AA   | SW15                    | QSW-F0197AFZZ | Switch, Leaf Type   | AC   |
| R518                 | VRD-ST2EE560J  | 56 ohms, 1/4W, $\pm 5\%$ ,<br>Carbon  | AA   | SW16                    | QSW-P0365AFZZ | Switch, Slide Type  | AF   |
| R519                 | VRD-ST2CD103J  | 10 kohm                               | AA   | SW17                    | QSW-S0268AFZZ | Switch, Slide Type  | AD   |
| R520                 | VRD-ST2EE560J  | 56 ohms, 1/4W, $\pm 5\%$ ,<br>Carbon  | AA   | TE501                   | QCNCM552BAFZZ | 2Pin Plug   | AA   |
| R601                 | VRD-ST2CD154J  | 150 kohms                             | AA   | <b>MECHANICAL PARTS</b> |               |   |      |
| R602                 | VRD-ST2CD124J  | 120 kohms                             | AA   | 101                     | JKNBRO444AFSA | Button, Play/Stop   | AD   |
| R603                 | VRD-ST2CD273J  | 27 kohms                              | AA   | 102                     | JKNBRO445AFSA | Button, Rewind/Pause  | AD   |
| R604                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 103                     | JKNBRO446AFSA | Button, Fast-forward  | AD   |
| R605                 | VRD-ST2CD154J  | 150 kohms                             | AA   | 104                     | LANGF0863AFFW | Bracket, Button   | AD   |
| R606                 | VRD-ST2CD124J  | 120 kohms                             | AA   | 105                     | LANGF0864AFZZ | Bracket, Flywheel (Deck 1)                                    | AE   |
| R607                 | VRD-ST2CD273J  | 27 kohms                              | AA   | 105                     | LANGF0864AF00 | Bracket, Flywheel (Deck 2)                                    | AF   |
| R608                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 106                     | LANGQ0924AFFW | Bracket, Solenoid   | AB   |
| R609                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 107                     | LBSHZ0086AFZZ | Cushion, Motor  | AA   |
| R610                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 108                     | —             | Main Chassis  | —    |
| R611                 | VRD-ST2CD331J  | 330 ohms                              | AA   | 109                     | LCHSS0201AFFW | Head Plate  | AD   |
| R612                 | VRD-ST2CD331J  | 330 ohms                              | AA   | 110                     | LCHSZ0163AFZZ | Full Auto Base  | AD   |
| R613                 | VRD-ST2CD331J  | 330 ohms                              | AA   | 111                     | LDAIH0063AF00 | Head Base   | AD   |
| R614                 | VRD-ST2CD331J  | 330 ohms                              | AA   | 112                     | MSPRT1074AFFJ | Spring, Record Sensor Lever                                   | AA   |
| R615                 | VRD-ST2CD152J  | 1.5 kohms                             | AA   | 113                     | LPLTM0148AFZZ | Plate, Lever Guide  | AE   |
| R616                 | VRG-ST2EC180J  | 18 ohms, 1/4W, $\pm 5\%$ ,<br>Fusible | AB   | 114                     | LPLTP0068AF00 | Clutch Plate, Auto Stop                                       | AB   |
| R701                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 115                     | LPTNP0058AFZZ | Stopper   | AA   |
| R702                 | VRD-ST2CD154J  | 150 kohms                             | AA   | 116                     | LX-BZ0451AFFD | Screw, 2mm Dia. $\times$ 6mm                                  | AA   |
| R703                 | VRD-ST2CD103J  | 10 kohm                               | AA   | 117                     | LX-HZ0138AFFD | Screw, Head Plate   | AB   |
| R704                 | VRD-ST2CD472J  | 4.7 kohms                             | AA   | 118                     | LX-HZ0139AFFD | Screw, PAD Lever  | AB   |
| R705                 | VRD-ST2CD104J  | 100 kohm                              | AA   | 119                     | LX-HZ0141AFFD | Screw, Eject Lever  | AB   |
| R706                 | VRD-ST2CD153J  | 15 kohms                              | AA   | 120                     | LX-HZ0143AFFD | Screw, 2mm Dia. $\times$ 8mm                                  | AA   |
| R707                 | VRD-ST2CD333J  | 33 kohms                              | AA   | 121                     | LX-WZ1076AF00 | Washer, Supply Turn Table                                     | AA   |
| R708                 | VRD-ST2CD472J  | 4.7 kohms                             | AA   | 122                     | LX-WZ9064AFZZ | Stop Washer, 1.5mm Dia.<br>$\times$ 3.8mm Dia. $\times$ 0.5mm | AA   |
| R709                 | VRD-ST2CD822J  | 8.2 kohms                             | AA   | 123                     | MARMM0069AFZZ | Lever, PAD  | AC   |
| R710                 | VRD-ST2CD332J  | 3.3 kohms                             | AA   | 124                     | MARMP0024AF00 | Lever, Swing  | AB   |
| R711                 | VRD-ST2CD822J  | 8.2 kohms                             | AA   | 125                     | MCAMP0060AF00 | Cam, PAD  | AB   |
| R712                 | VRD-ST2EE271J  | 270 ohms, 1/4W, $\pm 5\%$ ,<br>Carbon | AA   | 126                     | MCAMP0061AF00 | Cam, Full Auto  | AB   |
| <b>CIRCUIT PARTS</b> |                |                                       |      | 127                     | MLEVF1616AFFW | Lever, Play   | AB   |
| CNP1                 | QCNCM439FAFZZ  | 6Pin Plug                             | AB   | 128                     | MLEVF1617AFFW | Lever, Rewind   | AB   |
| CNP2                 | QCNCM437DAFZZ  | 4Pin Plug                             | AB   | 129                     | MLEVF1618AFFW | Lever, Fast-forward   | AB   |
| CNP3                 | QCNCM587FAFZZ  | 6Pin Plug                             | AB   | 130                     | MLEVF1619AFFW | Lever, Stop   | AB   |
| CNP4                 | QCNCM233DAFZZ  | 4Pin Plug                             | AC   | 131                     | MLEVF1620AFZZ | Lever, Pause  | AB   |
| CNP5                 | QCNCM585DAFZZ  | 4Pin Plug                             | AB   | 132                     | MLEVF1621AFFW | Lever, Eject  | AA   |
| CNP6                 | QCNCM589HAFZZ  | 8Pin Plug                             | AB   | 133                     | MLEVF1622AFFW | Lever, Interlocking   | AB   |
| CNS1                 | QCNW-2369AFZZ  | 6Pin Socket Assembly                  | AH   | 134                     | MLEVF1623AFFW | Lever, Main lock (Deck 1)                                     | AC   |
| CNS2                 | QCNW-2366AFZZ  | 4Pin Socket Assembly                  | AH   | 134                     | MLEVF1631AFFW | Lever, Main lock (Deck 2)                                     | AC   |
| CNS3                 | QCNW-2371AFZZ  | 6Pin Socket Assembly                  | AD   | 135                     | MLEVF1624AFFW | Lever, Switch   | AC   |
| CNS4                 | QCNW-2370AFZZ  | 4Pin Socket Assembly                  | AC   | 136                     | MLEVF1625AFFW | Lever, APSS Lock  | AA   |
| CNS5                 | QCNW-2367AFZZ  | 4Pin Socket Assembly                  | AC   | 137                     | MLEVF1626AFFW | Release Lever, Play Idler                                     | AB   |
| CNS6                 | QCNW-2368AFZZ  | 8Pin Socket Assembly                  | AE   | 138                     | MLEVF1627AFFW | Lever, Eject  | AC   |
| △ FS501              | QFS-C801EAFNI  | Fuse, 800mA/250V                      | AD   | 139                     | MLEVPO482AFZZ | Deck 1 Head, Dummy  | AB   |
| J1A,B                | QJAKF0065AFZZ  | Jack Assembly, Microphone             | AH   | 140                     | MLEVPO502AFZZ | Lever, Pause Lock   | AB   |
| J2                   | QJAKJ0104AFZZ  | Jack, Headphones                      | AD   | 141                     | MLEVPO518AFZZ | Lever, Fast-forward/Rewind                                    | AK   |
| J4A~D                | QSOCJ0692AFZZ  | Jack Assembly, LINE IN/OUT            | AE   | 142                     | MLEVPO519AF00 | Lever, Full Auto Senser                                       | AA   |
| M1                   | RMOTV0110AF03  | Deck 1 Motor                          | AV   | 143                     | MLEVPO520AF00 | Lever, Play Lock  | AA   |
| M2                   | RMOTV0110AF03  | Deck 2 Motor                          | AV   | 144                     | MLEVPO521AF00 | Lever, Stop Lock  | AA   |
| SO101                | QSOCDA4507AFZZ | DIN Socket, Record/Playback           | AE   | 145                     | MLEVPO522AF00 | Lever, Brake  | AB   |
| △ SO501              | QSOCE0607AFZZ  | Voltage Selector                      | AF   | 146                     | MLEVPO523AF00 | Lever, Button   | AB   |
| SOL1                 | RPLU-0175AFZZ  | APSS Solenoid                         | AG   | 147                     | MLEVPO524AF00 | Lever, APSS Switch  | AA   |
| SW1                  | QSW-S0422AFZZ  | Switch, Slide Type                    | AF   | 148                     | MLEVPO525AF00 | Lever, Pause Coupler  | AB   |
| SW2~6                | QSW-P0528AFZZ  | Switch Assembly, Push Lock<br>Type    | AN   | 149                     | MLEVPO526AF00 | Lever, Full Auto Killer                                       | AB   |
| SW7~9                | QSW-P0527AFZZ  | Switch Assembly, Push Lock<br>Type    | AN   | 150                     | MLEVPO553AF00 | Lever, Stop Killer  | AC   |
| SW10                 | QSW-F0196AFZZ  | Switch, Leaf Type                     | AE   | 151                     | MSPRC0454AFFJ | Spring, Lever Return  | AA   |
|                      |                |                                       |      | 152                     | MSPRC0455AFFJ | Spring, Lever Return  | AA   |
|                      |                |                                       |      | 153                     | MSPRC0456AFFJ | Spring, Azimuth   | AA   |
|                      |                |                                       |      | 154                     | MSPRC0457AFFJ | Spring, Back Tension  | AA   |
|                      |                |                                       |      | 155                     | MSPRC0458AFFJ | Spring, Pause Lock Lever                                      | AA   |
|                      |                |                                       |      | 156                     | MSPRC0459AFFJ | Spring, Flywheel  | AA   |

| REF.NO. | PART NO.      | DESCRIPTION                              | CODE |
|---------|---------------|--|------|
| 157     | MSPRC0460AFFJ | Spring, Interlocking Lever               | AA   |
| 158     | MSPRC0461AFFJ | Spring, Solenoid                         | AA   |
| 159     | MSPRC0462AFFJ | Spring, Auto Stop Clutch                 | AA   |
| 160     | MSPRD0570AFFJ | Spring, Pinch Roller                     | AA   |
| 161     | MSPRD0571AFFJ | Spring, PAD Lever                        | AA   |
| 162     | MSPRD0572AFFJ | Spring, Head Base Release                | AA   |
| 163     | MSPRD0573AFFJ | Spring, Cam Lock                         | AA   |
| 164     | MSPRD0574AFFJ | Spring, PAD Cam                          | AA   |
| 165     | MSPRD0575AFFJ | Spring, Swing Lever                      | AA   |
| 166     | MSPRD0576AFFJ | Spring, Full Auto Killer Lever           | AA   |
| 167     | MSPRD0577AFFJ | Spring, Full Auto Killer                 | AA   |
| 168     | LX-HZ0137AFFD | Screw, Record Switch Lever               | AB   |
| 169     | MSPRP0370AFFW | Plate Spring, Cassette Press             | AA   |
| 170     | MSPRT1070AFFJ | Spring, Fast-forward/Rewind Gear         | AA   |
| 171     | MSPRT1071AFFJ | Spring, Playback Idler                   | AA   |
| 172     | MSPRT1072AFFJ | Spring, Main Lock Plate                  | AA   |
| 173     | MSPRT1073AFFJ | Spring, Switch Lever                     | AA   |
| 174     | NBLTK0289AF00 | Belt, Motor (Large)                      | AB   |
| 175     | NBLTK0290AF00 | Belt, Motor (Small)                      | AB   |
| 176     | NBLTK0291AF00 | Belt, Full Auto Gear                     | AB   |
| 177     | NDAIRO185AFZZ | Take-up Turn Table                       | AE   |
| 178     | NDAIRO186AF00 | Supply Turn Table                        | AB   |
| 179     | NFLYCO120AFZZ | Flywheel                                 | AG   |
| 180     | NGERHO143AF00 | Gear, Fast-forward                       | AA   |
| 181     | NGERHO144AF00 | Gear, Flywheel                           | AB   |
| 182     | NIDR-0088AFZZ | Idler, Playback                          | AE   |
| 183     | NPLYRO106AF00 | Pulley, Full Auto Gear                   | AB   |
| 184     | NROLY0065AFZZ | Pinch Roller Assembly                    | AE   |
| 185     | NSFTT0304AFFD | Shaft, Button Lever                      | AD   |
| 186     | NSFTT0305AFFD | Shaft, Solenoid                          | AB   |
| 187     | PCUSFO029AFZZ | Felt, Clutch                             | AA   |
| 188     | PGIDP0002AF00 | Lever Guide (Left)                       | AC   |
| 189     | PGIDP0003AFZZ | Lever Guide (Right)                      | AC   |
| 190     | RHEDFO090AFZZ | Playback Head                            | AM   |
| 191     | MLEVF1628AFFW | Lever, Record                            | AB   |
| 192     | MLEVF1629AFFW | Lever, Record Sensor                     | AC   |
| 193     | MLEVF1630AFFW | Lever, Record Switch                     | AC   |
| 194     | MLEVP0527AF00 | Lever, Erase Prevention                  | AA   |
| 195     | MLEVF1633AFFW | Lever, Record/Playback Changeover        | AD   |
| 196     | PSPAZO107AFZZ | Outer Spacer, Record/Playback Changeover | AC   |
| 197     | PSPAZO155AF00 | Inner Spacer, Record/Playback Changeover | AB   |
| 198     | RHEDA0125AFZZ | Erase Head                               | AH   |
| 199     | RHEDH0135AFZZ | Record/Playback Head                     | AM   |
| 200     | MSPRD0597AFFJ | Spring, Stop Killer Lever                | AA   |

### CABINET EXPLODED VIEW PARTS

|       |               |   |    |
|-------|---------------|---|----|
| 301   | CPNLC1530AF01 | Front Panel Assembly                      | AX |
| 301-1 | HDECP0165AFSA | Decoration Plate, Window                  | AG |
| 301-2 |               | Front Panel                               | —  |
| 301-3 | PFLT-0494AFZZ | Felt, Front Leg                           | AA |
| 302   | GCAB-3156AFSA | Cabinet                                   | AT |
| 303   | GCOVA1442AFSA | Cassette Cover, Deck 1                    | AL |
| 304   | GCOVA1444AFSA | Cassette Cover, Deck 2                    | AL |
| 305   | GFTAC1393AFSA | Cassette Holder                           | AG |
| 306   | GITAU0029AFZZ | Bottom Plate                              | AH |
| 307   | HDECB0252AFSA | Decoration Plate, Record Level Control    | AB |
| 308   | JKNBM0428AFSA | Button, Power Switch                      | AD |
| 309   | JKNBM0437AFSA | Button, Push Switch                       | AB |
| 310   | JKNBM0457AFSC | Button, Gray                              | AB |
| 311   | JKNBM0457AFSD | Button, Blue                              | AB |
| 312   | JKNBZ0248AFSA | Knob, Record Level Control, Right Channel | AD |
| 313   | JKNBZ0247AFSA | Knob, Record Level Control, Left Channel  | AD |

| REF.NO. | PART NO.      | DESCRIPTION                     | CODE |
|---------|---------------|---------------------------------|------|
| 314     | JKNBZ0357AFSA | Button, Dubbing Start           | AC   |
| 315     | KCOUB0161AFZZ | Tape Counter                    | AH   |
| 317     | LANGR0560AFZZ | Bracket, Power Transformer      | AD   |
| 318     | LANGT1280AFZZ | Bracket, Dubbing Button         | AB   |
| 320     | LANGT1282AFZZ | Bracket, Mechanism              | AH   |
| △321    | LBSHC0004AGZZ | Bushing, AC Power Supply Cord   | AB   |
| △321    | LBSHC0007AFZZ | Bushing, AC Power Supply Cord   | AB   |
| 323     | LHLDZ1250AFSA | Holder, Record Level Control    | AD   |
| 324     | LX-HZ0087AFFD | Screw, Main PWB Retaining       | AA   |
| 326     | MLEVF1632AFFW | Lever, Record Action            | AD   |
| 327     | MLEVF1634AFZZ | Lever, Dubbing                  | AD   |
| 329     | MLIFP0023AFZZ | Dumper                          | AF   |
| 330     | MLOKCO063AFZZ | Bracket, Holder Lock            | AC   |
| 331     | MSPRD0580AFFJ | Spring, Record Action Lever     | AA   |
| 332     | MSPRD0581AFFJ | Spring, Cassette Holder (Left)  | AA   |
| 333     | MSPRD0582AFFJ | Spring, Cassette Holder (Right) | AA   |
| 335     | MSPRD0584AFFJ | Spring, Dubbing Start Bracket   | AA   |
| 336     | NBLTK0295AF00 | Belt, Tape Counter              | AB   |
| 339     | PFLT-0405AFZZ | Felt, Leg                       | AA   |
| 340     | PRDAR0309AFZZ | Heat Sink                       | AD   |
| 341     | PSLDC3175AFZZ | Shield Plate, Mic. Jack         | AC   |
| 342     | MLEVP0533AFZZ | Lever, Switch                   | AC   |
| 343     | LHLDW1075AFZZ | Nylon Band 60mm                 | AA   |
| 344     |               | Chassis                         | —    |
| △344-1  | LANGT1281AFZZ | Bracket, PWB                    | AB   |
| 345     | LHLDW1097AFZZ | PWB Holder                      | AA   |
| 346     | TSPC-1163AFZZ | Label, Specifications           | AC   |
| △347    | QACCL0052AFZZ | AC Power Supply Cord            | AL   |
| △347    | QACCV0001AGZZ | AC Power Supply Cord            | AL   |
| △347    | QACCZ0053AF00 | AC Power Supply Cord            | AK   |
| △347    | QACCZ0056AF00 | AC Power Supply Cord            | AL   |
| △347    | QACCB0059AF09 | AC Power Supply Cord (For UK)   | AK   |
| △349    | QFSDH1054AFZZ | Fuse Holder                     | AA   |
| 350     | MSPRP0319AFZZ | Spring (Plate Type), Ground     | AB   |
| 351     | MRODM0093AFFW | Rod                             | AB   |
| 352     | QLUGL0152AFZZ | Lug                             | AD   |

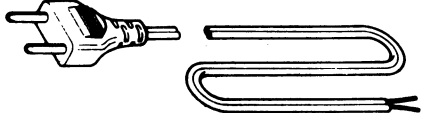
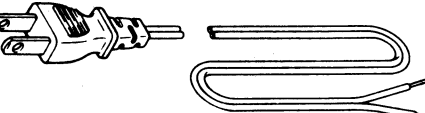
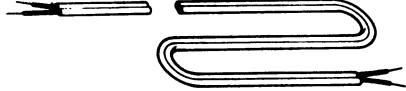
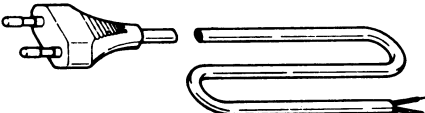

### ACCESSORIES

|               |  |    |
|---------------|--|----|
| QCNW-0718AFZZ | Connecting Cord, RCA-Pin Type                | AH |
| SSAKA0104AFZZ | Polyethylene Bag, Accessory (For UK)         | AH |
| SSAKA0024AFZZ | Polyethylene Bag, Accessory                  | AA |
| TINSZ0661AFZZ | Operation Manual                             | AP |
| QCNW-0727AFZZ | Connecting Cord, DIN Type                    | AP |
| QPLGA0251AFZZ | AC Adapter                                   | AE |
| QPLGA0252AFZZ | AC Adapter (For SESA)                        | AE |
| TGANE1117AFZZ | Warranty Card (For UK)                       | AB |
| SPAKC2871AFZZ | Packing Case                                 | AK |
| SPAKP0461AFZZ | Polyethylene Bag, Unit                       | AD |
| SPAKA1169AFZZ | Packing Add, Left                            | AE |
| SPAKA1170AFZZ | Packing Add, Right                           | AE |
| TCAUH0056AGZZ | Caution Label, AC Power Supply Card (For UK) | AA |
| TCAUZ0039AFZZ | Caution Label, Polyethylene Bag (For UK)     | AA |
| TLABJ0006AFZZ | Label, MADE IN JAPAN (For UK)                | AA |
| TLABT0053AFZZ | Label, License(For UK)                       | AA |

### P.W.B Assembly (Not Replacement Item)

|                                   |  |   |
|-----------------------------------|--|---|
| DUNTU0128AF06 (Combined Assembly) | Main/Headphones/Indicator/Level Control/Power Switch | — |
|-----------------------------------|--|---|

# RT-1010H(S)

| AC Power Supply Cord | Bushing       | Connection |              | Figure   |
|----------------------|---------------|------------|--------------|--|
|                      |               | Ⓑ          | Ⓐ            |  |
| QACCZ0053AF00        | LBSHC0007AFZZ | Black      | Black        |   |
| QACCZ0056AF00        | LBSHC0007AFZZ | Black      | Black        |   |
| QACCB0059AF09        | LBSHC0004AGZZ | Blue       | Brown        |   |
| QACCV0001AGZZ        | LBSHC0004AGZZ | Blue       | Brown        |   |
| QACCL0052AFZZ        | LBSHC0007AFZZ | Black      | White Stripe |  |

AC POWER SUPPLY CORD WIRING CONNECTION

A8402-8211NK·OD

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# SHARP

## SERVICE MANUAL / SERVICE-ANLEITUNG / MANUEL DE SERVICE

S4576RT1010HK

- 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.

# RT-1010H(BK)

Ⓔ

This new model RT-1010H(BK) is the same as the former model RT-1010H(S), only with a slight difference on the surface colors between the new and former ones. Therefore, the parts newly employed alone are here described, and for other details please refer to the already issued Service Manual for RT-1010H(S) (S2403RT-1010H).

Ⓓ

Dieses neue Modell RT-1010H(BK) ist fast gleich wie das vorige Modell RT-1010H(S) mit Ausnahme von dem kleinen Unterschied in den Oberflächenfarben zwischen dem neuen Modell und dem vorigen. Daher sind nur die neu verwendeten Teile hier beschrieben. Einzelheiten sind in der bereits herausgegebenen Service-Anleitung für RT-1010H(S) enthalten (S2403RT-1010H).

Ⓕ

Ce nouveau modèle RT-1010H(BK) est identique à l'ancien modèle RT-1010H(S) sauf seulement une légère différence sur les couleurs des surfaces entre le nouveau et l'ancien. Par conséquent, les pièces nouvellement employées seules sont ici décrites et pour les autres détails veuillez vous reporter au Manuel de Service déjà publié pour le RT-1010H(S) (S2403RT-1010H).

# RT-1010H(BK)

(E) DIFFERENCE BETWEEN RT-1010H(S) AND RT-1010H(BK)     
 (D) UNTERSCHIED ZWISCHEN RT-1010H(S) UND RT-1010H(BK)     
 (F) DIFFERENCE ENTRE RT-1010H(S) ET RT-1010H(BK)

| REF. NO.                           | RT-1010H(S)   |      | RT-1010H(BK)        |      | DESCRIPTION                                  |
|------------------------------------|---------------|------|---------------------|------|--|
|                                    | PART NO.      | CODE | PART NO.            | CODE |  |
| <b>MECHANICAL PARTS</b>            |               |      |                     |      |  |
| 101                                | JKNBRO444AFSA | AD   | JKNBRO444AFS1       | AD   | Button, Play/Stop                            |
| 102                                | JKNBRO445AFSA | AD   | JKNBRO445AFS1       | AD   | Button, Rewind/Pause,                        |
| 103                                | JKBNRO446AFSA | AD   | JKBNRO446AFS1       | AD   | Button, Fast-forward                         |
| <b>CABINET EXPLODED VIEW PARTS</b> |               |      |                     |      |  |
| 301                                | CPNLC1530AF01 | AX   | CPNLC1530AF03       | AX   | Front Panel Assembly                         |
| 301-1                              | HDECP0165AFSA | AG   | HDECP0165AFSB       | AG   | Decoration Plate, Window                     |
| 301-2                              | —————         | —    | —————               | —    | Front Panel                                  |
| 301-3                              | PFLT-0494AFZZ | AA   | Same as RT-1010H(S) | AA   | Felt, Front Leg                              |
| 302                                | GCAB-3156AFSA | AT   | GCAB-3156AFSB       | AT   | Cabinet                                      |
| 303                                | GC5VA1442AFSA | AL   | GC5VA1507AFSB       | AL   | Cassette Cover, Deck 1                       |
| 304                                | GC5VA1444AFSA | AL   | GC5VA1508AFSB       | AL   | Cassette Cover, Deck 2                       |
| 305                                | GFTAC1393AFSA | AG   | GFTAC1393AFSC       | AG   | Cassette Holder                              |
| 307                                | HDECB0252AFSA | AB   | HDECB0252AFSC       | AB   | Decoration Plate, Record Lever<br>Control    |
| 308                                | JKNBMO428AFSA | AD   | JKNBMO428AFSB       | AD   | Button, Power Switch                         |
| 309                                | JKNBMO437AFSA | AB   | JKNBMO437AFSE       | AB   | Button, Push Switch                          |
| 310                                | JKNBMO457AFSC | AB   | JKNBMO457AFSE       | AB   | Button, Gray                                 |
| 311                                | JKNBMO457AFSD | AB   | JKNBMO457AFSF       | AB   | Button, Blue                                 |
| 312                                | JKNBZ0248AFSA | AB   | JKNBZ0248AFSF       | AB   | Knob, Record Level Control,<br>Right Channel |
| 313                                | JKNBZ0247AFSA | AD   | JKNBZ0247AFSF       | AD   | Knob, Record Level Control,<br>Left Channel  |
| 314                                | JKNBZ0357AFSA | AC   | JKNBZ0357AFSD       | AC   | Button, Dubbing Start                        |
| 327                                | MLEVF1634AFZZ | AD   | MLEVF1747AFZZ       | AD   | Lever, Dubbing                               |
| 346                                | TSPC-1163AFZZ | AC   | TSPC-1400AFZZ       | AC   | Label, Specifications                        |
| <b>ACCESSORY/PACKING PART</b>      |               |      |                     |      |  |
|                                    | SPAKC2871AFZZ | AK   | SPAKC3477AFZZ       | AK   | Packing Case                                 |

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