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# JVC

# SERVICE MANUAL

## STEREO CASSETE DECK

# TD-W805 A/B/C/E/G/J

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**Area Suffix**

A ..... Australia
B ..... U.K.
C ..... Canada
E ..... Continental Europe
G ..... Germany
J ..... U.S.A

## FEATURES

1. **Twin reverse recording/playback decks for longer recording time**
   - Continuous automatic or manual recording can alternate between decks A and B
   - Simultaneous synchro recording capability
2. **Silent quick-reverse mechanism**
3. **Auto-reverse mechanism in both decks**
4. **Full-logic control mechanism in both decks**
   - High-speed dubbing function reduces tape editing time by half
5. **Electrically driven cassette holder**
6. **Dolby* HX PRO headroom extension**
7. **Dolby B & C noise reduction system**
   - Built-in MPX filter
8. **DDRP (Dynamics Detection Recording Processor) compatibility**
   The DDRP function is possible only when used with a suitable JVC CD player.
9. **Auto tape select mechanism (decks A and B)**
10. **Centralized display**
    - 2-color fluorescent peak level indicator
    - Digital peak/peak level meter (with peak hold function)
    - Linear counter
11. **Synchro start (normal-/high-speed) dubbing**
12. **Microcomputer-controlled mechanism**
    Auto record muting and synchro record muting.
13. **Multi music scan mechanism for either direction.** "Under License of Staar S.A., Brussels, Belgium"
14. **Continuous playback**
15. **Adjustable bias**
16. **Timer start mechanism**
17. **INPUT LEVEL control**
    - With 1-dB step scale
18. **Input balance control**
19. **PHONES jack**
20. **COMPU LINK-1/SYNCHRO terminal**

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No. 4331
June 1991

Published in Heiloo, Holland.

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# Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (⚠) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna termianls, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).

# Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.


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## ■ Important Management Points Regarding Safety

(Items Demanding Special Safety Precautions)

① The power transformer must be checked by the following markings as well as managed in the fastening torque of the screws. Also confirm parts number according to the parts list.

J : BD14A3-0015 (UL approved No.)
A/B/E/G : VTP57H5-011B
C : VTP57A5-031B (Marking)

② Power cord : Make sure of the following markings and inspect exterior scratch and damage.

| | Power cord | Attachment plug |
|---|---|---|
| C/J | SPT-2 | KP-10 |
| A | LTSA-2F | KP-560 |
| U | ◁ VDE ▷ | KP-8H or KP-8K |
| E/G | ◁ VDE ▷ | Ⓢ |
| B | BASEC BS6500 | — |

A Tags to bind power cords must be soldered after being twisted in order to prevent them from coming off.

The end of respective power cords is soldered in the air and the space from others must be 3.2 mm or more in the distance.

③ The strain relief which is specified as "NIFCO 2271" securely fixes the power cord.

The primary terminals and secondary terminals next to them of the P.C. board must not be stuck out by the round end to keep space in each side.

⑤ Wires and so forth must be securely clamped or fixed as illustrated on the left (at six points) to keep them from power active parts, mobile parts, heating units and sharp-edged parts.

⑦ Since the following parts are heat generating ones, they must not contact with electrolytic capacitors, wires, etc.

- Parts in parenthesis ( ) are inflammables. Make sure of their lift-up condition for this purpose.
- Parts in box ▭ are out of JVC control.

D901, D902, D903, D904, R904, Q904, Q855, Q851.

⑧ Make sure to use specified parts for the following since they are assigned by CSA and UL.

C905, C925, C906.

### Fuse

Confirm Ⓢ and ⚠ mark on F901 and F902 and they are tightly retained by fuse holders.

| | | |
|---|---|---|
| A/B/E/G | F901 | T800mA |
| A/B/E/G | F902 | T800mA |



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# SPECIFICATIONS

(A/C/J-Version)

| | |
|---|---|
| Type | : Stereo double cassette deck |
| Track system | : 4-track, 2-channel |
| Tape speed | : 4.8 cm/sec. (1-7/8 inch/sec) (Normal)<br>: 9.5 cm/sec. (3-3/4 inch/sec) (High) |
| Frequency response | : Frequency response:<br>(-20 dB recording)<br>TYPE IV tape;<br>20 - 17,000 Hz<br>30 - 16,000 Hz (±3 dB)<br>TYPE II tape;<br>20 - 16,000 Hz<br>30 - 15,000 Hz (±3 dB)<br>TYPE I tape;<br>20 - 16,000Hz<br>30 - 15,000Hz (± 3 dB) |
| S/N ratio | : 58 dB (S = 315 Hz, k3 = 3%, N = A-weighted, Type IV tape)<br>The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with DOLBY B NR on. |
| Improvement of MOL | : 4 dB at 10 kHz with Dolby C NR on. |
| Wow and flutter | : 0.08% (WRMS) |
| Channel separation | : 40 dB (1 kHz) |
| Crosstalk | : 60 dB (1 kHz) |
| Harmonic distortion | : k3; 0.8%<br>(Type IV tape, 315Hz, 0 VU) |
| Heads | : METAPERM head for recording/playback, 2-gap ferrite head for erasure; Combination head × 1<br>(For both decks A and B) |
| Motors | : Electric governed DC for capstan × 1,<br>DC motor for reel × 1,<br>DC motor for mechanism × 1<br>DC motor for cassette holder × 1<br>(For both decks A and B) |
| Fast forward/Rewind time | : Approx. 110 sec. with C-60 cassette |
| Input terminals | |
| LINE IN (× 1 circuit) | : Input sensitivity; 80 mV (0 VU)<br>Input impedance; 50 kΩ |
| Output terminals | |
| LINE OUT (× 1 circuit) | : Output level; 300 mV (0 VU)<br>Output impedance; 5 kΩ |
| PHONES × 1 | : Output level; 0.3 mW/8 Ω (0 VU)<br>Matching impedance; 8 Ω - 1 kΩ |
| Other terminals | : COMPU LINK-1/ SYNCHRO × 2 |
| Power requirement | |
| A version | : AC 240 V, 50/60 Hz |
| C/J version | : AC 120V, 60 Hz |

# TECHNISCHE DATEN

(G-version)

| | |
|---|---|
| Typ | : Stereo-Doppel-Cassettendeck |
| Spursystem | : 4-Spur, 2-Kanal |
| Bandgeschwindigkeit | : 4,8 cm/Sek. (Normal)<br>9,5 cm/Sek.(High) |
| Frequenzgang | : (–20 dB-Aufnahme)<br>Type IV Band;<br>20 - 17.0000 Hz (DIN)<br>30 - 16.000 Hz (±3 dB)<br>Chromband;<br>20 - 16.000 Hz (DIN)<br>30 - 15.000 Hz (±3 dB)<br>Normalband;<br>20 - 16.000 Hz (DIN)<br>30 - 15.000 Hz (±3 dB) |
| Signal-Rauschabstand | : 58 dB (S = 315 Hz, k3 = 3%, N = A-gewichtige, Type IV band)<br>Der Signal-Rauschabstand ist um 15 dB bei 500 Hz und um max. 20 dB bei 1 kHz ~ 10 kHz mit eingeschaltetem DOLBY C NR verbessert und um 5 dB bei 1 kHz und um 10 dB über 5 kHz mit eingeschaltetem DOLBY B NR. |
| Verbesserung des Höchstausgangspegels | : 4 dB bei 10 kHz mit eingeschaltetem DOLBY C NR. |
| Gleichlaufschwankungen | : ±0,2 % (DIN/IEC) |
| Kanaltrennung | : 40 dB (1 kHz) |
| Übersprechdämpfung | : 60 dB (1 kHz) |
| Klirrfaktor | : K3; 0,8%<br>(Type IV band, 315 Hz, 0 VU) |
| Köpfe | : METAPERM-Kopf für Aufnahme/Wiedergabe, 2-Spalt Ferritkopf für Löschen; Kombinationskopf × 1<br>(für beide Decks A und B) |
| Motoren | : Elektronisch gesteuerter Gleichstrommotor für Kapstan × 1,<br>Spulen-Gleichstrommotor × 1,<br>Gleichstrommotor für Lautwerk × 1<br>Gleichstrommotor für Cassettenhalterung × 1<br>(für beide Decks A und B) |
| Schnellvorlaufzeit/ Rückspulzeit | : Ca. 110 Sekunden (C-60 Cassette) |
| Eingänge | |
| LINE IN: (×1 Schaltung) | Eingangsempfindlichkeit;<br>80 mV (0 VU)<br>Eingangsimpedanz;<br>50 kΩ |
| Ausgänge | |
| LINE OUT (× 1 Schaltung) | : Ausgangspegel; 300 mV (0 VU)<br>Ausgangsimpedanz; 5 kΩ |
| PHONES × 1 | : Ausgangspegel; 0,3 mW/8 Ω (0 VU)<br>Passende Impedanz; 8 Ω - 1 kΩ |
| Weitere Anschlüsse | : COMPU LINK-1 /SYNCHRO × 2 |
| Spannungsversorgung | : Netz 230 V, 50/60 Hz |

# CARACTERISTIQUES TECHNIQUES (Version E)

| | |
|---|---|
| Type | : Double-platine d'enregistrement stéréo |
| Système de pistes | : 4 pistes, 2 canaux |
| Vitesse de défilement | : 4,8 cm/sec. (normale)<br>9,5 cm/sec.(grande) |
| Réponse en fréquence | : (Enregistrement à -20 dB)<br>Bande métal;<br>20 à 17.000 Hz (DIN)<br>30 à 16.000 Hz (±3 dB)<br>Bande chrome;<br>20 à 16.000 Hz (DIN)<br>30 à 15.000 Hz (±3 dB)<br>Bande normale;<br>20 à 16.000 Hz (DIN)<br>30 à 15.000Hz (± 3 dB) |
| Rapport signal/bruit | : 58 dB (S = 315 Hz, k3 = 3%, N = A-pondéré, bande "Type IV")<br>Le rapport S/B est amélioré de 15 dB environ à 500 Hz et de 20 dB maximum à 1 kHz ~ 10 kHz avec le Dolby C NR en circuit, et amélioré de 5 dB à 1 kHz et 10 dB environ à 5 kHz avec le Dolby B NR en circuit. |
| Amélioration du niveau de sortie max. | : 4 dB à 10 kHz avec le Dolby C NR en circuit. |
| Pleurage et scintillement | : ±0,2 % (DIN/IEC) |
| Séparation du canal | : 40 dB (1 kHz) |
| Diaphonie | : 60 dB (1 kHz) |
| Distorsion harmonique | : k3; 0,8% (bande Type IV, 315 Hz, 0 VU) |
| Têtes | : Tête METAPERM pour enregistrement/lecture, tête de ferrite à double-entrefer pour l'effacement; tête combinée × 1<br>(pour les deux platines A et B) |
| Moteurs | : Moteur CC à asservissement électronique pour le cabestan × 1,<br>Moteur CC pour bobine × 1, Moteur CC pour méchanique × 1<br>Moteur CC pour porte-cassette × 1<br>(pour les deux platines A et B) |
| Temps d'avance rapide/réembobinage | : Environ 110 secondes avec une cassette C-60 |
| Bornes d'entrée | |
| LINE IN (× 1 circuit) | : Sensibilité d'entrée; 80 mV (0 VU)<br>Impédance d'entrée; 50 kΩ |
| Bornes de sortie | |
| LINE OUT (× 1 circuit) | : Niveau de sortie; 300 mV (0 VU)<br>Impédance de sortie; 5 kΩ |
| PHONES × 1 | : Niveau de sortie; 0,3 mW/8 Ω (0 VU)<br>Impédance caractéristique; 8 Ω - 1 kΩ |
| Autres prises | : COMPU LINK-1 /SYNCHRO × 2 |
| Alimentation | : 230 V CA, 50/60 Hz |



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| | |
|---|---|
| Power consumption | : With power switch on 29 W (A version) With power switch on 27 W (C/J version) With power switch standby 1.4 W |
| Dimensions (W × H × D) | : 435 × 133 × 326 mm (17-3/16" × 5-1/4" × 12-7/8") |
| Weight | : 5.5 kg (12.2 lbs.) |
| Accessories | : Pin plug cord .....2 Remote cable .....1 |

Design and specifications are subject to change without notice.

| | |
|---|---|
| Leistungsaufnahme | : 29 W bei Betrieb 1,4 W bei Betriebsbereitschaft |
| Abmessungen (B × H × T) | : 435 × 133 × 326 mm |
| Gewicht | : 5,5 kg |
| Zubehör | : Chinchkabel .....2 Fernbedienkabel .....1 |

Technische Änderungen vorbehalten !

| | |
|---|---|
| Consommation | : 29 W avec alimentation en circuit 1.4 W avec alimentation hors circuit |
| Dimensions (L × H × P) | : 435 × 133 × 328 mm |
| Poids: | 5,5 kg |
| Accessoires: | Fil à broches .....2 Fil de télécommande....1 |

Présentation et caractéristiques modifiables sans préavis

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# SPECIFICATIONS

(B-version)

| | |
|---|---|
| Type | : Stereo double cassette deck |
| Track system | : 4-track, 2-channel |
| Tape speed | : 4.8cm/sec. (Normal) : 9.5cm/sec. (High) |
| Frequency response | : (-20 dB recording) Type IV tape; 30 - 16,000 Hz (± 3 dB) Chrome tape; 30 - 15,000 Hz (± 3 dB) TYpe II tape; 30 - 15,000 Hz (± 3 dB) |
| S/N ratio | : 58 dB (S = 315 Hz, k3 = 3%, N = A-weighted, Type IV tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with DOLBY B NR on. |
| Improvement of MOL | : 4 dB at 10 kHz with Dolby C NR on. |
| Wow and flutter | : ±0.2% (DIN/IEC) |
| Channel separation | : 60 dB (1kHz) |
| Crosstalk | : 40 dB (1 kHz) |
| Harmonic distortion | : k3; 0.8% (Type IV tape, 315 Hz, 0 VU) |
| Heads | : METAPERM head for recording/playback, 2-gap ferrite head for erasure; Combination head × 1 (For both decks A and B) |
| Motors | : Electric governed DC for capstan × 1, DC motor for reel × 1, DC motor for mechanism × 1 DC motor for cassette-holder × 1 (For both decks A and B) |
| Fast forward/Rewind time | : Approx. 110 sec. with C-60 cassette |
| Input terminals LINE IN (× 1 circuit) | : Input sensitivity; 80 mV (0 VU) Input impedance; 50 kΩ |
| Output terminals LINE OUT (× 1 circuit) | : Output level; 300 mV (0 VU) Output impedance; 5 kΩ |
| PHONES × 1 | : Output level; 0.3 mW/ 8 Ω (0 VU), Matching impedance ; 8 Ω - 1 kΩ |
| Other terminals | : COMPU LINK-1/ SYNCHRO × 2 |
| Power requirement | : AC 240 V, 50/60 Hz |
| Power consumption | : With power switch on 29 W With power switch standby 1.4 W |
| Dimensions (W × H × D) | : 435 × 133 × 326 mm |
| Weight | : 5.5 kg |
| Accessories | : Pin plug cord .....2 Remote cable .....1 |



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# Instructions (Extraction)

## NAMES OF PARTS AND THEIR FUNCTIONS

❶ **POWER switch**

❷ **Cassette holder (deck A)**

❸ **Indicators**

① **3-way digital counter**
The counter reading increases while the tape is running forward and decreases when it is running in reverse. In the Multi Music Scan mode when the ◀◀ (or ▶▶) button is pressed, the number of tunes which will be skipped is displayed.
When the DISPLAY MODE button is pressed, it changes DIGITAL PEAK indicator.
The counter on the left shows the MAX digital peak level; the one on the right acts as a digital counter

② **PEAK LEVEL METER**
**Note:**
0 dB: IEC (DIN) STANDARD LEVEL (250 nWb/m)
0 VU: EIAJ STANDARD LEVEL (160 nWb/m)
DD : DOLBY NR STANDARD LEVEL

③ **Deck A mechanism mode indicators**

④ **Dubbing mode indicators**

⑤ **DDRP indicator**

⑥ **Deck B mechanism mode indicators**

⑦ **Continuous indicator**

⑧ **Reverse mode indicator**

❹ **Cassette holder (deck B)**

❺ **DIGITAL PEAK RESET button**

❻ **COUNTER RESET buttons**
Press this button to set the digital counter to "0000".

❼ **DISPLAY MODE button**
Select the digital counter mode. When the power is turned on, it changes the counter and if pressed this button, it changes digital peak indicator.

❽ **DECK B BIAS adjust control**
Adjust recording bias according to the characteristics of the tape used for recording.

❾ **Input BALANCE control**
Adjusts the balance between the signals input via the left and right LINE IN jacks.

❿ **INPUT LEVEL control**

⓫ **DECK B TIMER switch**
When an optional timer is used, recording and playback can be performed at any desired time. (See page 43).
The timer of deck B functions when the tape is set in only deck B or in both decks A and B, and that of deck A functions when the tape is set in only deck A.
The timer relay functions from deck B to deck A when the tape is set in both decks and the reverse mode is ⇄.

⓫ **DOLBY NR switch**
Set to B or C for recording using the Dolby NR system or for playing back a tape that was recorded using the Dolby NR system.
Set to OFF when the Dolby NR system is not used.

⓭ **REVERSE MODE switch**
Select the single side or full record/playback mode, or the continuous play mode. (See page 37.)
- ⇄ : For single-side recording or playback.
- ⊃ : To play or record both sides A and B.
- ⇄ : To play sides A and B continuously.

⓮ **Cassette operation buttons (deck A)**
◀▶ (direction): Press to change the direction of tape travel.
◀◀: Press to wind the tape quickly from right to left.
PLAY: Press to start recording/playback. Press this button with either the ◀◀ or ▶▶ button for music scanning.
▶▶: Press to wind the tape quickly from left to right.
■/▲ (stop/eject): Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.
O REC/REC MUTE: Press the PLAY button while pressing this button to start recording, and press to leave an appropriate non-recorded section.
II PAUSE: Press to stop the tape temporarily during recording and playback.
When pressed together with the O REC/REC MUTE before recording, the unit will enter the record-pause mode.
Press the PLAY button to release the pause mode.

⓯ **PHONES jack**
Connect headphones (with an impedance of 8 Ω to 1 kΩ).

⓰ **A ▶ B SYNCHRO DUBBING button**
- NORM SPEED: Press to perform normal-speed dubbing.
- HIGH SPEED: Press to perform high-speed dubbing.

⓱ **Cassette operation buttons (deck B)**
For the operations of the buttons, refer to "⓮ Cassette operation buttons (deck A)".
■/▲ (stop/eject): Press to stop dubbing.



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# PLAYBACK

**Playback of deck A**

Operate in the order of the numbers in the illustration.

1. Press the POWER switch to set to ON ( ▬ ).
2. Load a prerecorded cassette with side A facing out.
3. Select the side to be played back.
   Side A... Forward direction (PLAY ▶▶)
   Side B... Reverse direction (◀◀ PLAY)
4. Set the DOLBY NR switch to the same position as when the tape was recorded.
5. Select the REVERSE MODE.
6. Press the PLAY button to start playback.

**Playback of deck B**

Perform steps 2 to 6 of the above procedure for deck B.

**Continuous play**

First set the REVERSE MODE switch to ⟲. Load cassette tapes in both decks and press the PLAY button of the deck to be played first for continuous play of both decks.

- When playback in the reverse direction ends, the deck switches to the standby mode in the forward direction. At this time, the other deck starts playback. This operation is repeated between decks A and B. While one deck is playing back, the cassette in the other one can be replaced. This is convenient to the long-time playback of background music.
- Press the ■ / ▲ (stop/eject) button of the deck that is running to stop continous play.

**Note:**

- Use tapes recorded using the same NR mode in decks A and B.

**Multi music scan**

- The multi music scan mechanism of this unit allows you to quickly locate the beginning of a specific tune (up to 9 tunes before or after the current tune).
- The multi music scan mechanism functions by detecting non-recorded sections between tunes (of more than 4 - 5 sec.).
- The illustration shows the forward direction.

**Fast forward scan**

| Direction \ Operation button | When the PLAY and ◀◀ buttons are pressed | When the PLAY and ▶▶ buttons are pressed |
|---|---|---|
| ▶▶ (Forward direction) | Previous or present tune | Following tune |
| ◀◀ (Reverse direction) | Following tune | Previous or present tune |

1. Press the PLAY and ◀◀ (or ▶▶) buttons simultaneously.
   The deck enters the Multi Music Scan mode.
   If "P-1" is displayed in the digital counter, single music scan is performed.
2. When more than 2 tunes are to be skipped, after procedure 1 press the ▶▶ (or ◀◀) button the number of times you want to skip tunes. The number of tunes to be skipped is displayed in the counter.
3. The counter reading will count down when non-recorded sections being detected. When the required point is detected and playback starts, the counter changes back to the previous mode.

- Since this unit is equipped with an auto reverse mechanism, music scan is performed as follows according to the tape direction.

When the head rotates to play side A from B or B from A, this rotation is counted as one non-recorded section. When a recorded tune continues from side A to B, this tune is recorded as two tunes. In such a case, press the ◀◀ (or ▶▶) button one extra time.

**Notes:**

In the following cases, the mechanism may not operate correctly. This is not a malfunction; use the mechanism according to the type of program.

- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes
- Tapes with short non-recorded sections



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# RECORDING

Operate in the order of the numbers in the illustration.

- Make sure the safety tab of the cassette has not been broken off.

❶ Press the POWER switch to set to ON ( ▬ ).
❷ Load a cassette for recording.
❸ Set the DOLBY NR switch as required.
❹ Select the REVERSE MODE.
❺ Select the side to be recorded.
❻ Press the ❚❚ PAUSE button and O REC/REC MUTE button (record-pause mode).
❼ Adjust the recording level and balance.
❽ Press to "0000".
❾ Press the PLAY button to start recording.

**WARNING**
It may be unlawful to record or playback copyrighted material without the consent of the copyright owner.

It is possible to record simultaneously by loading cassettes in both decks.

**DDRP (Dynamics Detection Recording Processor) recording**
DDRP recording is performed with suitable JVC CD players and the recording level adjustment is performed automatically.
Since recording level adjustment is performed automatically for different types of tape (normal, $CrO_2$ and metal), the adjustment of INPUT LEVEL control is not required.
Read the instruction book of your CD player carefully.



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**Alternate continuous recording between deck A and deck B with automatic selection**

❶ Load the tapes to be recorded in decks A and B with sides A facing out. (Be sure to wind past the leader tapes.)
❷ Press the ◀▶ (direction) button to select the tape transport direction of decks A and B.
❸ Set the DOLBY NR switch as required.
❹ Set the REVERSE MODE switch to ⟲.
❺ Set deck A to the record-pause mode and adjust the recording level.
❻ Set deck B to the record-standby mode. (press only the O REC/REC MUTE button.)
❼ Press the PLAY button of deck A; continuous recording starts.

- When side B of deck A finishes recording, deck B starts recording automatically. If both decks start recording from the beginning of side A, the continuous recording will be done for about 3 hours with two C-90 tapes. When starting recording from deck A, set deck B to the record (or record-pause) mode first and set deck B to the record-standby mode.
- To cancel the record- pause mode. Press the ■/▲ (stop/eject) button on the deck during stanby.

# DOLBY NR and DOLBY HX PRO

**Dolby NR System**
To reduce the hiss inherent in tape recording, use the Dolby NR System when making recordings. When listening to a tape recorded with the Dolby NR System, set the DOLBY NR switch to B or C according to the system selected in the recording mode.

**Note:**
The sound quality will change if the positions of the DOLBY NR switch are different in recording and playback.

**Dolby HX PRO headroom extension**
Dolby HX PRO headroom extension system controls the bias current so that the effective bias is constant even when there are fluctuations in the high-frequency components of the input signal.
This greatly improves the high-frequency saturation level while reducing the low-frequency signal level variations and distortion.
When a source which contains many high-frequency components is recorded, these high-frequency signals have the same function as bias and therefore, the effective bias current changes.
This will result in phenomena such as changes in the level of low-frequency signal and subsequent distortion and reduction of the high-frequency saturation level.

- The dynamic sound recorded with this system sounds the same even when the tape is played back in a deck that does not have Dolby HX PRO.
- This system automatically works when in recording; however, Dolby HX PRO is not a noise reduction system.

# COMPU LINK CONTROL SYSTEM

This is a convenient system which has been originated and developed by JVC. Before starting operation, connect the remote cable as shown on page 11. The followings are the brief explanations of its major performances.

**Automatic Source Selection**
When the provided remote cables are used for connecting this unit to other components which have COMPU LINK-1/SYNCHRO terminals, the switch-over of all system components is possible with simple one-touch of the source selector button of JVC's amplifier or receiver.
By doing this, the corresponding component will start playing automatically.
The source select button of the remote control unit or the activation button of the desired component can be also used for this purpose.
When the components have been switched over, the previous component will stop playing within 5 seconds.



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# DUBBING

- **Synchro dubbing**

❶ Press the POWER switch to set to ON ( ▬ ).
❷ Insert a prerecorded tape into deck A with side A facing out and press the ◀▶ (direction) button to select the travel direction.
❸ Insert the blank tape with side A facing out into deck B, and press the ◀▶ (direction) button to select the side to be recorded.
❹ Press to "0000".
❺ Press the SYNCHRO DUBBING (NORM or HIGH SPEED) button to start dubbing.
❻ Press the ■ / ▲ (stop/eject) button of deck B to stop dubbing.

When deck B stops, the dubbing mode is automatically released.

- **Synchro record muting**

When deck A stops or enters any mode other than the playback mode during dubbing, deck B enters the record mute operation automatically and then enters the record-pause mode.

- **Before pressing the SYNCHRO DUBBING button**

Confirm that deck B is in the stop mode before starting dubbing.

**Dubbing and DOLBY NR switch**

During dubbing, the monitor sound is affected by the position of the NR switch, however, the sound dubbed onto the tape is not affected by the position of the NR switch.
Therefore, the copy will be an exact duplicate of the original; if the original tape is NR-encoded the dubbed copy will also be NR-encoded.

**Input level**

Recording is performed at the same level as the playback tape during dubbing regardless of the position of the INPUT LEVEL control.

**Tape editing**

1. Press the O REC/REC MUTE button when finished dubbing a tune.
   Deck B automatically enters the record muting mode and leaves a non-recorded section of about 4 seconds then enters the record-pause mode.
2. Press the ■ / ▲ (stop/eject) button of Deck A and search for the next tune you want by using the ▶▶, ◀◀, or PLAY button. Then stop the cassette just before the beginning the tune.
3. Press the same SYNCHRO DUBBING button pressed before the pause again, and dubbing will start.

**Notes at dubbing**

1. Normal-speed dubbing is recommended to obtain good sound quality.
2. Television receivers placed close to the deck may cause interference on the recorded signal when the deck is used in the high-speed dubbing mode. If this happens, either turn off the television receiver or use the normal-speed dubbing mode.



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# 1 Location of Main Parts

Fig. 1-1



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# 2 Removal of Main Parts

## Enclosure Section

### Top cover

1) Remove four screws (1) retaining the top cover from both sides.
2) Remove two P. rivet (17) retaining the top cover from both sides.
3) Remove two screws (2) retaining the top cover from the back side.

Fig. 2-1

### Front panel assembly

1) Remove the top cover.
2) Remove two screws (16) retaining the door motor bracket of the top side.
3) Open the cassette door then remove four screws (3) retaining the mechanism holder to chassis.
4) Remove three screws (4) rataining the front panel ass'y from bottom side.
5) Disconnect all connectors between the mechanism ass'y front panel ass'y and the main board ass'y.
6) Remove one screw (18) retaining the H. phone earth wire to chassis.
7) Release the front panel ass'y from two pawls in the front and bottom sides and draw it to the front side.

Fig. 2-2

Fig. 2-3

### Mechanism assembly

(for deck A and deck B in common)

1) Remove the front panel ass'y in order to detach the mechanism ass'y. (Disconnect all connectors between the front panel ass'y and the main board ass'y.)
2) Remove a screw (17) or (17') retaining the door damper.
3) Rotate the door motor drive pulley to open the door. Then, pull the cassette lid upward.
4) In order to detach the cassette holder, disengage the shafts of the cassette holder arms from the mechanism holder. (Use an ordinary [–] screwdriver as shown in fig. 2-5)
5) Remove two screws (5) or (5') retaining the mechanism.
6) It is recommeded to remove (6) and (6') before proceeding to do the above work.

Fig. 2-4



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## • Reassembling manner of cassette holder

1) Insert the cassette holder into the mechanism holder while keeping the stabilizer parallel with the holder, and put together so that the cassette guide and the inner face of the stabilizer contact with each other.
2) Engage them together with by [3] shown in the figure. (At that time, press arms lightly toward the cassette holder.)
3) Set respective shafts of the cassette holder arms into the holes [2] and [1] of the mechanism holder by use of a screwdriver, etc.
4) Attach the door damper.

Fig. 2-5A

## • Removing manner of cassette holder

To disengage respective shafts of door holder arms [1] and [3] from the mechanism, insert a screwdriver between them and turn it as illustrated or use it as a lever of fulcrum.

Fig. 2-5B

Fig. 2-5

Fig. 2-6

## ■ Volume/FL board ass'y and H. phone jack ass'y

1) Remove the volume knob while pulling it.
2) Remove five screws (7) retaining the board ass'y.
3) Headphone jack ass'y can be remove by removing the volume/FL board ass'y.

## ■ Power switch assembly

1) Remove the front panel ass'y.
2) Remove the mechanism ass'y.
3) Remove two screws (9) retaining the switch.

## ■ Mechanism operation switch board assembly

1) Remove the front panel ass'y.
2) Remove the mechanism ass'y.
3) Detach the mechanism bracket from the cassette holder, and remove the cassette holder from the front panel ass'y.
4) Remove six or four screws (8) or (10) retaining the switch board.

Remove before replacing mechanism button or operation switch.

Fig. 2-7

## ■ Main board assebly (See Fig 2-1 and Fig 2-2)

1) Remove four screws (14) retaining pin jack, heat sink and synchro jack from the rear side.
2) Disconnect power connector CN901.
3) Remove four screws (15) retaining the main board ass'y. Draw the board ass'y slightly to the front side and raise it by the rear side.



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## ■ Cassette mechanism section

■ **Head mount assembly** (Fig. 2-8, Fig. 2-9)

1) Release the head wire relay board from two pawls.
2) Remove two screws (1) retaining the head mount ass'y from the head base.
3) Remove the head gear (1) and head spring.

■ **Pinch roller assembly** (Fig. 2-8, Fig. 2-10)

1) Remove return spring by disengaging the pawl hooking it.
2) Remove the pinch roller spring.
3) For reengaging the spring, refer to the figures (A) and (B).

Fig. 2-8

Fig. 2-9

Fig. 2-10



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■ **FM bracket/Capstan motor assembly** (Figs. 2-11, 2-12)

1) Remove soldering to separate the drive motor and the motor ass'y. (Mechanism A or B )
2) Remove one screw (2) retaining the FM bracket together.
3) Remove two screws (3) and disengage five pawls, and then the FM bracket and the capstan belt (mechanism A and B ) can be removed.
4) Remove two screws (4) retaining the capstan motor from the FM bracket.
5) For reengaging the capstan belt, refer to Fig. 2-13.

Fig. 2-11

Fig. 2-12

Fig. 2-13


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Fig. 2-14

Fig. 2-15

- **Actuator motor assembly** (Fig. 2-14)
  Release the actuator motor ass'y from three pawls.

- **Flywheel assembly** (Fig. 2-15, Fig. 2-16)
  Remove washers from the capstan shaft and draw them out.

- **Drive motor** (Fig. 2-14, Fig. 2-17)

1) Pull out the gear and arm assembly from the drive motor shaft.
2) Remove a screw (5) retaining the drive motor.
3) Disengage four pawls to release the drive motor.

Fig. 2-16

Fig. 2-17


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- **Cam switch board** (Fig. 2-15, Fig. 2-18)

1) Release the cam switch board from six pawls.
2) For gearing between the cam switch board and control cam, see the magnified illustration in a circle.

- **Actuator gear (large)** (Fig. 2-15, Fig. 2-19)

Release the actuator gear (large) from three pawls.

- **Control cam** (Fig. 2-15, Fig. 2-19)

1) Release the control cam from two pawls.
2) For assembling the control cam, see the magnified illustration in a circle.

- **Actuator gear (small)** (Fig. 2-15, Fig. 2-19)

Release the actuator gear (small) from two pawls.

Fig. 2-18

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Fig. 2-19



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# 3 Main Adjustments

## 1. Equipment and measuring instruments used for adjustments

1) Electronic voltmeter
2) Audio frequency oscillator
   (range: 50–20 kHz and output 0 dB with impedance of 600 Ω)
3) Attenuator (impedance: 600 Ω)
4) Standard tape for REC/PB
   TS-12 (UD) : Normal tape (for Deck)
   TS-10 (SA) : Chrome tape (AC-513)
   TS-11 (ME) : Metal tape (AC-712)
5) JVC test tape
   VTT712 (3 kHz) : for tape speed, wow & flutter check
   VTT724 (1 kHz) : for PB level check)
   TMT735 (1 kHz, 12.5 kHz) : for PB frequency response check
   VTT739 (63 Hz, 1 kHz, 10 kHz) : for PB freq. response check
   TMT6447 : for music selection operation check (to select)
   TMT6448 : for music selection operation check (not to select)
   TMT702 (14 kHz) : PB head azimuth check
   CTG-N : PB, FF, REW torque check
   Mirror tape : for tape transport check
6) Resistor 600 Ω (for attenuator matching)
7) Distortion meter (bandpass filter)
8) Torque testing cassette gauge, CTG-N
   (TW2111, TW2121 and TW2231)
9) Wow & flutter meter
10) Frequency counter
11) M-300 gauge

■ **Standard level**

LINE OUT : –7.5 dBs
HEADPHONE OUT : –24 dBs
LINE IN : –19 dBs ± 2 dB

■ **Power sources**

Set the line voltage selector switch to 240 V/230V/220 V/127 V/120 V/110 V according to your local voltage.

AC 240 V, 50/60 Hz (A/B version)
AC 220 V, 50/60 Hz (E/G version)
AC 120 V, 60 Hz (C/J version)

## 2. Mechanism adjustment procedure

● **Notice: 0 dBs = 0.775 (V)**

| Item | Adjustment | Adjusting point | Standard value | Remarks |
|---|---|---|---|---|
| Adjusting motor speed | 1. Connect a frequency counter to the LINE OUT terminals.<br>2. Set the pich control volume to the center position.<br>3. Play back the VTT712 test tape.<br>4. Adjust for deck A :<br>Adjust VR703 for normal speed at 3000 Hz, and VR704 for high speed at 6000 Hz.<br>Adjust for deck B :<br>Adjust VR701 for normal speed at 3000 Hz, and VR702 for high speed at 6000 Hz.<br>5. Difference in FWD and REV frequencies must be less than 45 Hz. | Deck A :<br>Normal; VR703<br>High; VR704<br>Deck B :<br>Normal; VR701<br>High; VR702 | Normal speed:<br>Deck 1 ; 3000±15 Hz<br>Deck 2 ; 3000±15 Hz<br>High speed:<br>Deck 1 ; 6000±30 Hz<br>Deck 2 ; 6000±30 Hz | 1. Perform normal speed adjustment first, and then do high speed adjustment.<br>2. For high speed adjustment, connect the bus wire (HS-TP) to ground.<br>3. Measure at the tape beginning portion.<br>4. Measure at the tape beginning portion. |
| Checking wow and flutter | Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.18% (WRMS). | | 0.18% (WRMS) | If the reading becomes moving value even if confirming to the standard, a reclaim may be raised. Repairs are necessary. |
| Checking playback torque | Employ a torque testing cassette tape (TW2111 [FWD] / TW2121 [REV] ) for the checking, or remove the cassette cover and use a torque gauge. | | 27–60 gr-cm | If the standard torque is not obtained, replace the take-up disk assembly. |
| Checking fast forward/rewind torque | Measure the torque in the fast forward mode in the same manner as in the above.<br>Test cassette : TW2231 | | 90–200 gr-cm | If the standard torque is not obtained, perform the following.<br>1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disk circumference, the flywheel circumference, etc.<br>2. Replace the belt and idler. |


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| Item | Adjustment | Adjusting point | Standard value | Remarks |
|---|---|---|---|---|
| Adjusting Head azimuth | 1. Connect an electronic voltmeter to the LINE OUT terminals.<br>2. Play back the VTT704 (12.5 kHz) test tape.<br>3. Adjust the head angle with the screw (FWD and REV) until the reading of the electronic voltmeter becomes maximum for both channels (phase difference must be "0".)<br>4. Repeat the adjustment in FWD and REV modes as well as for the decks A and B. | Screws (FWD, REV) | Maximum | Deck B<br>FWD — REV Adj.<br>Deck A<br>FWD — REV Adj.<br>Fig. 3-1 |

## 3. Electrical adjustments location

- **Main Amp. P.C. Board (parts assembly side view)**

- Setting position of VRs and switches for adjustment

| | | |
|---|---|---|
| Input level volume | : | Maximum |
| Balance volume | : | Center |
| DOLBY NR switch | : | OFF |
| Pitch control volume switch | : | Center |

Fig. 3-2



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## 4. Electrical circuit adjustment procedure

Perform the tape transport checks and head azimuth adjustment before following checks and adjustments.
Adjustment should be performed in the order of alignment steps.
In the steps marked with an asterisk ( * ), adjustment should be performed after replacing the heads.
Perform this adjustment with the NR switch set to OFF.

| Step | Item | Check and Adjustment | | | |
|---|---|---|---|---|---|
| 1 | Checking DOLBY circuit (Rec mode) (BIAS - CUT) | | | Input signal (Frequency, level) | Output raise value, deviation value |
| | | Signal input: LINE IN<br>Cal. level: 400 Hz, −6 dBs<br>Output terminal: NR. TP<br>IC812 (13) & (18) | DOLBY B (Rec) | 1 kHz, Cal. −40 dB | +5.7 dB ± 2 dB |
| | | | | 5 kHz, Cal. −20 dB | +3.5 dB ± 1.5 dB |
| | | | | 1 kHz, Cal. | 0 dB $^{+0.5}_{-1.0}$ dB |
| | | | DOLBY C (Rec) | 1 kHz, Cal. −40 dB | +16.2 dB $^{+3}_{-2}$ dB |
| | | | | 5 kHz, Cal. −20 dB | +2.9 dB ± 2.5 dB |
| | | | | 1 kHz, Cal. | 0 dB ± 1 dB |

| Step | Item | Adjustment | Adjusting point | Standard value | Remarks |
|---|---|---|---|---|---|
| *2 | Playback level adjustment | Play back VTT724, then confirm that the level at LINE OUT is −7.5 dBs ± 0.5 dB.<br>Adjust VR101, VR201 and VR103, VR203 so that LINE OUT level becomes −7.5 dBs. | Deck [B]<br>L : VR101<br>R : VR201<br>Deck [A]<br>L : VR103<br>R : VR203 | −7.5 dBs ± 0.5 dB | When the head is replaced, adjust playback gain level.<br>Headphone output: −24 $^{+2.5}_{-1.5}$ dBs |
| *3 | Playback frequency response adjustment | Play back TMT735 test tape, and adjust VR102, VR202 (deck [B]) and VR104, VR204 (deck [A]) so that deviation of 12.5 kHz to that of 1 kHz is 0.5 ± 0.5 dB.<br>Then, play back VTT739 test tape to confirm that deviation of 63 Hz to 1 kHz is +2 ± 3 dB. | Deck [B]<br>L : VR102<br>R : VR202<br>Deck [A]<br>L : VR104<br>R : VR204 | 0.5 ± 0.5 dB | TMT735: 1 kHz, 12.5 kHz<br>VTT739: 63 Hz, 1 kHz, 10 kHz |
| *4 | Bias frequency adjustment | Connect a frequency counter to CN808(A) or CN807(B) and adjust L871(A) or L851(B) so that the counter reads 170 kHz. | Deck [B]<br>L851<br>Deck [A]<br>L871 | 170 kHz ± 1 kHz | |
| *5 | Slave oscillation (HX PRO) adjustment | This step must be performed after the bias frequency adjustment.<br>Load a metal tape and set the deck to the recording mode.<br>Adjust LX151 and LX251 to minimize respective voltages of both sides of RX166 and RX266. | Deck [B]<br>L-ch: LX151<br>R-ch: LX251 | | |


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| Step | Item | Adjustment | Adjusting point | Standard value | Remarks |
|---|---|---|---|---|---|
| *6 | REC/PB frequency response adjustment | This step must be performed after the slave oscillation adjustment. Record the 1 kHz and 12.5 kHz signals at the level of −19 dB (20 dB lower than the reference level). Playing back the recorded signals, adjust VR105, VR205 and VR155, VR255 so that the level of the 12.5 kHz signal is 0 ± 0.5 dB to the level of the 1 kHz signal. | Deck B<br>L-ch: VR105<br>R-ch: VR205<br>Deck A<br>L-ch: VR155<br>R-ch: VR255 | 12.5 kHz level: 0 ± 0.5 dB higher than the 1 kHz level.<br>$CrO_2$ : 0 ± 3 dB<br>Metal : 0 ± 3 dB | Normal tape.<br>Adjust VRs to flatten levels of the 1 kHz and 12.5 kHz signals basically. |
| *7 | Recording level adjustment | 1) Apply a 1 kHz signal to the LINE IN terminals, record a 1 kHz signal at −19 dBs input for both (L and R) channels on a normal tape.<br>2) Play back the recorded part, and adjust the recording level controls so that LINE OUT terminal level becomes −7.5 dBs. Then adjust VR351, VR451(B) and VR-371, VR471(A) so that LINE OUT terminal level becomes −7.5 dBs. | Deck B<br>L : VR351<br>R : VR451<br>Deck A<br>L : VR371<br>R : VR471 | Normal tape: −7.5 ± 0.5 dBs<br>$CrO_2$ tape: −7.5 ± 2 dBs | NR switch : Off<br>TAPE switch : Normal |
| *8 | Checking record/ playback distortion | 1) Record a 1 kHz, −19 dBs signal to LINE IN terminals.<br>2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value. | | Normal tape: Less than 2%<br>$CrO_2$ tape: Less than 3%<br>Metal tape: Less than 3% (THD) | Be sure to perform this checking following bias current and recording level checking. |
| 9 | Checking signal to noise ratio in recording/ playback | 1) Record a 1 kHz, −19 dBs signal. Stop the input by disconnecting from the terminal to perform non-signal recording.<br>2) Play back the recorded part. Measure the −8 dBs recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value. | | Normal tape: More than 42 dB<br>$CrO_2$ & Metal tapes: More than 43 dB | Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB. |
| 10 | Checking erasing coefficient | 1) Apply a 1 kHz, −19 dBs signal to the LINE IN terminals.<br>2) Perform recording with the signal enhanced by 20 dB.<br>3) Erase a part of the recording.<br>4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter. | | More than 55dB | For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter.<br>Input (1 kHz) → Tape deck (recording, erasing) → (1 kHz) → Band pass filter → Electronic voltmeter |



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# 4 Block Diagram

Fig. 4-1



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# 5 Wiring Connections

Fig. 5-1



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# 6 Standard Schematic Diagram

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION: MODE: NORMAL SPEED DUBBING
   NR: OFF
   TAPE: [A] Cr-O2/METAL, [B]: METAL

2. UNLESS OTHERWISE SPECIFIED
   ALL RESISTORS ARE 1/5W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
   ALL DIODES ARE 1SS254 OR MA165 OR EQIVMENT.

   (F) UNFLAMMABLE CARBON RESISTOR
   (L) ±20% LOW LEAK CURRENT ELECTROLYTIC CAPACITOR
   (M) NON-POLARISED ELECTROLYTIC CAPACITOR
   (PP) POLYPROPYLENE CAPACITOR

SEMICONDUCTOR

| | |
|---|---|
| Q101 | 2SK301(Q.R) |
| Q102.801.Q803.823 | DTC124ES |
| Q821.822 | DTC143ES |
| Q851.855.Q852.122 | 2SD1302(S.T) |
| Q853.854.857.858 | 2SC2001(L.K) |
| Q101.121.801.821 | 2SC1845(E.U) |
| Q841.842 | 2SC1740S(RS) |
| Q802.822 | 2SA992(F.E.U) |

| | J/C | A/B/E/G |
|---|---|---|
| R870.890.891 | BUS WIRE | QRZ0077-4R7X |

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Fig. 6-1


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| | | | |
|---|---|---|---|
| Q901 | 2SA1358(OY) | Q901, 902, 903, 904, 911 | 11E1 |
| Q903 | 2SC3422(OY) | D912, 913, 914 | |
| Q902 | 2SA1317(S, T) | Q733, 736, 739, 740, 755 | DTC124ES |
| Q905 | 2SB1043(QR) | Q756, 758 | |
| Q703, 731, 734, 751, 752 | 2SA933S(RS) | | |
| Q753, 754, 908 | | | |
| Q701, 702, 704, 707, 708 | 2SC1740(RS) | | |
| Q737, 738 | DTC143ES | | |
| Q732, 735, 759, 760, 906 | 2SD1302(S, T) | | |
| Q907 | 2SK301(P, Q) | | |

| | | |
|---|---|---|
| • R904 | GRD120J-2R25X | GRH124J-2R2 |
| • R914 | GRD14CJ-4R75X | GRZ0077-4R7X |
| • R912 | GRD14CJ-1R05X | BUS WIRE |
| • R931 | GRD14CJ-4R75X | GRZ0076-4R7X |

| | | |
|---|---|---|
| • R916 | GRD14CJ-4R75X | GRH144J-5R6 |
| • Q904 | 2SD1302(S, T) | 2SD2069(Q) |
| D915, 916 | BUS WIRE | 1SS254 OR MA165 |
| • D909 | MTZ6.2C | MTZ6.8C |

| | POWER TRANS | POWER CORD |
|---|---|---|
| A | VTP5745-011B | GMP2560-200 |
| B | VTP5745-011BBS | GMP5017-008BS |
| C | VTP5745-031B | GMP1900-200 |
| E | VTP5745-011B | GMP3900-200 |
| G | VTP5745-011B | GMP3900-200 |
| J | VTP5745-031B | GMP1900-200 |

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Fig. 6-2



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TD-W805 A/B/C/E/G/J
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| SEMICONDUCTOR | |
|---|---|
| Q351, 355 | 2SD1302(S, T) |
| Q300, 301, 302, 303, 304, 353 | |
| Q354, 356, 357, 505, 561, 562 | 2SC1740S(RS) |
| Q563, 564 | |
| Q501 | 2SA933S(RS) |
| Q352, 507 | DTC124ES |
| Q551, 571 | DTA114ES |

| * | J/C | A/B/E/G |
|---|---|---|
| R522, 525 | QRD161J-100 | QRZ0077-100X |

Fig. 6-3


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Fig. 6-4

Fig. 6-5

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# 7 Location of Main Board Parts and Parts List

## ■ Main Board

Fig. 7-1


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## Main Board Parts List

BLOCK NO. 0 1

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | C 101 | QFN41HJ-102 | M CAPACITOR |
| | C 103 | QETC1AM-227ZN | E CAPACITOR |
| | C 104 | QFV41HJ-103 | FILM CAPACITOR |
| | C 105 | QCS11HJ-151 | C CAPACITOR |
| | C 106 | QETC1HM-475ZN | E CAPACITOR |
| | C 107 | QCY41HK-152 | C CAPACITOR |
| | C 121 | QCS11HJ-471 | C CAPACITOR |
| | C 122 | QCS11HJ-471 | C CAPACITOR |
| | C 123 | QFV41HJ-103 | FILM CAPACITOR |
| | C 124 | QETC1AM-227ZN | E CAPACITOR |
| | C 125 | QETC1HM-475ZN | E CAPACITOR |
| | C 126 | QCS11HJ-151 | C CAPACITOR |
| | C 127 | QCY41HK-152 | C CAPACITOR |
| | C 157 | QCS32HJ-151ZV | C CAPACITOR |
| | C 177 | QCS32HJ-151ZV | C CAPACITOR |
| | C 201 | QFN41HJ-102 | M CAPACITOR |
| | C 203 | QETC1AM-227ZN | E CAPACITOR |
| | C 204 | QFV41HJ-103 | FILM CAPACITOR |
| | C 205 | QCS11HJ-151 | C CAPACITOR |
| | C 206 | QETC1HM-475ZN | E CAPACITOR |
| | C 207 | QCY41HK-152 | C CAPACITOR |
| | C 221 | QCS11HJ-471 | C CAPACITOR |
| | C 222 | QCS11HJ-471 | C CAPACITOR |
| | C 223 | QFV41HJ-103 | FILM CAPACITOR |
| | C 224 | QETC1AM-227ZN | E CAPACITOR |
| | C 225 | QETC1HM-475ZN | E CAPACITOR |
| | C 226 | QCS11HJ-151 | C CAPACITOR |
| | C 227 | QCY41HK-152 | C CAPACITOR |
| | C 257 | QCS32HJ-151ZV | C CAPACITOR |
| | C 277 | QCS32HJ-151ZV | C CAPACITOR |
| | C 311 | QETC1HM-475ZN | E CAPACITOR |
| | C 411 | QETC1HM-475ZN | E CAPACITOR |
| | C 501 | QETC1EM-336ZN | E CAPACITOR |
| | C 502 | QETC1EM-106ZN | E CAPACITOR |
| | C 503 | QETC1AM-477ZN | E CAPACITOR |
| | C 530 | QETC1HM-105ZN | E CAPACITOR |
| | C 561 | QCF11HP-103 | C CAPACITOR |
| | C 562 | QCF11HP-103 | C CAPACITOR |
| | C 563 | QETC1AM-477ZN | E CAPACITOR |
| | C 564 | QETC1HM-475ZN | E CAPACITOR |
| | C 565 | QCY41HK-472 | C CAPACITOR |
| | C 581 | QCF11HP-103 | C CAPACITOR |
| | C 582 | QCF11HP-103 | C CAPACITOR |
| | C 583 | QETC1AM-477ZN | E CAPACITOR |
| | C 584 | QETC1HM-475ZN | E CAPACITOR |
| | C 585 | QCY41HK-472 | C CAPACITOR |
| | C 591 | QCF11HP-103 | C CAPACITOR |
| | C 592 | QCF11HP-103 | C CAPACITOR |
| | C 701 | QCS11HJ-471 | C CAPACITOR |
| | C 702 | QETC1HM-474ZN | E CAPACITOR |
| | C 731 | QCF11HP-103 | C CAPACITOR |
| | C 732 | QCF11HP-103 | C CAPACITOR |
| | C 802 | QCF11HP-103 | C CAPACITOR |
| | C 803 | QCF11HP-103 | C CAPACITOR |
| | C 806 | QCF11HP-103 | C CAPACITOR |
| | C 807 | QCF11HP-103 | C CAPACITOR |
| | C 808 | QCF11HP-103 | C CAPACITOR |
| | C 821 | QCY41HK-682 | C CAPACITOR |
| | C 822 | QCY41HK-102 | C CAPACITOR |
| | C 823 | QCS11HJ-681 | C CAPACITOR |
| | C 824 | QFV71HJ-394ZM | FILM CAPACITOR |
| | C 825 | QETC1HM-104ZN | E CAPACITOR |
| | C 850 | QETC1CM-107ZN | E CAPACITOR |
| | C 851 | QETC1HM-475ZN | E CAPACITOR |
| | C 857 | QCS11HJ-681 | C CAPACITOR |
| | C 858 | QFP32AJ-183ZM | PP CAPACITOR |
| | C 859 | QETC1EM-476ZN | E CAPACITOR |
| | C 861 | QFN41HJ-182 | M CAPACITOR |
| | C 862 | QFN41HJ-182 | M CAPACITOR |
| | C 863 | QFN41HJ-332 | M CAPACITOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | C 870 | QETC1CM-107ZN | E CAPACITOR |
| | C 871 | QETC1HM-475ZN | E CAPACITOR |
| | C 877 | QCS11HJ-681 | C CAPACITOR |
| | C 878 | QFP32AJ-183ZM | PP CAPACITOR |
| | C 879 | QETC1EM-476ZN | E CAPACITOR |
| | C 881 | QFN41HJ-182 | M CAPACITOR |
| | C 882 | QFN41HJ-182 | M CAPACITOR |
| | C 883 | QFN41HJ-332 | M CAPACITOR |
| | C 887 | QFV41HJ-333 | TF CAPACITOR |
| | C 888 | QFV41HJ-333 | TF CAPACITOR |
| | C 901 | QCF11HP-103 | C CAPACITOR |
| | C 902 | QCF11HP-103 | C CAPACITOR |
| | C 905 | QETB1EM-228N | E CAPACITOR |
| | C 906 | QETB1EM-228N | E CAPACITOR |
| | C 907 | QETC1AM-108ZN | E CAPACITOR |
| | C 909 | QETC1AM-108ZN | E CAPACITOR |
| | C 911 | QETC1CM-107ZN | E CAPACITOR |
| | C 912 | QETC1AM-107ZN | E CAPACITOR |
| | C 913 | QETC1HM-475ZN | E CAPACITOR |
| | C 914 | QETB1CM-688N | E CAPACITOR |
| | C 915 | QETC1AM-107ZN | E CAPACITOR |
| | C 916 | QETC1AM-107ZN | E CAPACITOR |
| | C 921 | QETC1EM-106ZN | E CAPACITOR |
| | C 922 | QETB1VM-227N | E CAPACITOR |
| | C 923 | QETC1EM-106ZN | E CAPACITOR |
| | C 925 | QETC1EM-227ZN | E CAPACITOR |
| | C 926 | QETC1AM-107ZN | E CAPACITOR |
| | C 927 | QCF11HP-103 | C CAPACITOR |
| | CF701 | EFO-GC6004T5 | CERA LOCK |
| | CH801 | QETC1AM-477ZN | E CAPACITOR |
| | CH821 | QETC1AM-477ZN | E CAPACITOR |
| | CN705 | VMC0162-014 | CONNECTOR |
| | CN707 | VMC0162-008 | CONNECTOR |
| | CN715 | VMC0162-015 | CONNECTOR |
| | CN717 | VMC0162-008 | CONNECTOR |
| | CN721 | VMC0166-003Z | CONNECTOR |
| | CN722 | VMC0166-005Z | CONNECTOR |
| | CN723 | VMC0166-003Z | CONNECTOR |
| | CN724 | VMC0229-S05 | CONNECTOR |
| | CN725 | VMC0229-S10 | CONNECTOR |
| | CN726 | VMC0229-S09 | CONNECTOR |
| | CN727 | VMC0229-S07 | CONNECTOR |
| | CN728 | VMC0229-S09 | CONNECTOR |
| | CN731 | VMC0162-022 | CONNECTOR |
| | CN801 | VMC0040-008 | CONNECTOR |
| | CN802 | VMC0040-008 | CONNECTOR |
| | CN804 | VMC0166-003Z | CONNECTOR |
| | CN805 | VMC0075-006N | CONNECTOR |
| | CN901 | VMC0166-005Z | CONNECTOR |
| | D 301 | 1SS254 | SI DIODE |
| | D 401 | 1SS254 | SI DIODE |
| | D 501 | 1SS254 | SI DIODE |
| | D 502 | 1SS254 | SI DIODE |
| | D 503 | 1SS254 | SI DIODE |
| | D 504 | 1SS254 | SI DIODE |
| | D 505 | 1SS292 | SI DIODE |
| | D 506 | 1SS292 | SI DIODE |
| | D 561 | 1SS254 | SI DIODE |
| | D 562 | 1SS254 | SI DIODE |
| | D 701 | 1SS254 | SI DIODE |
| | D 704 | 1SS254 | SI DIODE |
| | D 705 | 1SS254 | SI DIODE |
| | D 708 | 1SS254 | SI DIODE |
| | D 709 | 1SS254 | SI DIODE |
| | D 710 | 1SS254 | SI DIODE |
| | D 711 | 1SS254 | SI DIODE |
| | D 712 | 1SS254 | SI DIODE |
| | D 713 | 1SS254 | SI DIODE |
| | D 801 | 1SS254 | SI DIODE |
| | D 806 | 1SS254 | SI DIODE |



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| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | D 807 | 1SS254 | SI DIODE |
| | D 851 | 1SS254 | SI DIODE |
| | D 854 | 1SS254 | SI DIODE |
| | D 855 | 1SS254 | SI DIODE |
| | D 856 | 1SS254 | SI DIODE |
| | D 858 | 1SS254 | SI DIODE |
| | D 859 | 1SS254 | SI DIODE |
| | D 871 | 1SS254 | SI DIODE |
| | D 874 | 1SS254 | SI DIODE |
| | D 875 | 1SS254 | SI DIODE |
| | D 876 | 1SS254 | SI DIODE |
| | D 878 | 1SS254 | SI DIODE |
| | D 879 | 1SS254 | SI DIODE |
| | D 901 | 11E1 | SI DIODE |
| | D 902 | 11E1 | SI DIODE |
| | D 903 | 11E1 | SI DIODE |
| | D 904 | 11E1 | SI DIODE |
| | D 905 | MTZ5.6C | ZENER DIODE |
| | D 906 | MTZ12A | ZENER DIODE |
| | D 907 | MTZ24D | ZENER DIODE |
| | D 908 | MTZ7.5C | ZENER DIODE |
| | D 909 | MTZ5.6C | ZENER DIODE |
| | D 911 | 11E1 | SI DIODE |
| | D 912 | 11E1 | SI DIODE |
| | D 913 | 11E1 | SI DIODE |
| | D 914 | 11E1 | SI DIODE |
| | D 915 | 1SS254 | SI DIODE |
| | D 916 | 1SS254 | SI DIODE |
| | DH801 | 1SS254 | SI DIODE |
| | DH821 | 1SS254 | SI DIODE |
| | IC701 | MB88515B-1481T | IC |
| | IC702 | TA8409S | IC |
| | IC703 | BA6218 | IC |
| | IC704 | TA8409S | IC |
| | IC705 | BA6218 | IC |
| | IC711 | BA15218N | IC |
| | IC712 | BA15218N | IC |
| | IC801 | AN6557F | IC |
| | IC804 | MC14066BCP | IC |
| | IC805 | AN6557F | IC |
| | IC806 | MC14066BCP | IC |
| | IC810 | BA15218N | IC |
| | IC811 | BA15218N | IC |
| | IC813 | MC14066BCP | IC |
| | IC814 | LA2000S | IC |
| | IC901 | UPC78M07AHF | IC |
| | J 701 | QMS3533-001 | JACK |
| | J 801 | EMN00TV-402A | PIN JACK |
| | L 152 | VQP0001-562ZS | INDUCTOR |
| | L 172 | VQP0001-562ZS | INDUCTOR |
| | L 252 | VQP0001-562ZS | INDUCTOR |
| | L 272 | VQP0001-562ZS | INDUCTOR |
| | L 850 | VQP0001-102ZS | INDUCTOR |
| | L 851 | VQH1008-044 | OSC COIL(BIAS) |
| | L 871 | VQH1008-044 | OSC COIL(BIAS) |
| | Q 101 | 2SK301(Q,R) | FET |
| | Q 102 | DTC124ES | TRANSISTOR |
| | Q 201 | 2SK301(Q,R) | FET |
| | Q 202 | DTC124ES | TRANSISTOR |
| | Q 300 | 2SC1740S(RS) | TRANSISTOR |
| | Q 301 | 2SC1740S(RS) | TRANSISTOR |
| | Q 304 | 2SC1740S(RS) | TRANSISTOR |
| | Q 400 | 2SC1740S(RS) | TRANSISTOR |
| | Q 401 | 2SC1740S(RS) | TRANSISTOR |
| | Q 404 | 2SC1740S(RS) | TRANSISTOR |
| | Q 501 | 2SA933S(RS) | TRANSISTOR |
| | Q 505 | 2SC1740S(RS) | TRANSISTOR |
| | Q 507 | DTC124ES | TRANSISTOR |
| | Q 551 | DTA114ES | TRANSISTOR |
| | Q 561 | 2SC1740S(RS) | TRANSISTOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | Q 562 | 2SC1740S(RS) | TRANSISTOR |
| | Q 563 | 2SC1740S(RS) | TRANSISTOR |
| | Q 564 | 2SC1740S(RS) | TRANSISTOR |
| | Q 571 | DTA114ES | TRANSISTOR |
| | Q 701 | 2SC1740S(RS) | TRANSISTOR |
| | Q 702 | 2SC1740S(RS) | TRANSISTOR |
| | Q 703 | 2SA933S(RS) | TRANSISTOR |
| | Q 704 | 2SC1740S(RS) | TRANSISTOR |
| | Q 707 | 2SC1740S(RS) | TRANSISTOR |
| | Q 708 | 2SC1740S(RS) | TRANSISTOR |
| | Q 731 | 2SA933S(RS) | TRANSISTOR |
| | Q 732 | 2SD1302(S,T) | TRANSISTOR |
| | Q 733 | DTC124ES | TRANSISTOR |
| | Q 734 | 2SA933S(RS) | TRANSISTOR |
| | Q 735 | 2SD1302(S,T) | TRANSISTOR |
| | Q 736 | DTC124ES | TRANSISTOR |
| | Q 737 | DTC143ES | TRANSISTOR |
| | Q 738 | DTC143ES | TRANSISTOR |
| | Q 739 | DTC124ES | TRANSISTOR |
| | Q 740 | DTC124ES | TRANSISTOR |
| | Q 751 | 2SA933S(RS) | TRANSISTOR |
| | Q 752 | 2SA933S(RS) | TRANSISTOR |
| | Q 753 | 2SA933S(RS) | TRANSISTOR |
| | Q 754 | 2SA933S(RS) | TRANSISTOR |
| | Q 755 | DTC124ES | TRANSISTOR |
| | Q 756 | DTC124ES | TRANSISTOR |
| | Q 758 | DTA124ES | TRANSISTOR |
| | Q 759 | 2SD1302(S,T) | TRANSISTOR |
| | Q 760 | 2SD1302(S,T) | TRANSISTOR |
| | Q 801 | DTC124ES | TRANSISTOR |
| | Q 821 | DTC143ES | TRANSISTOR |
| | Q 822 | DTC143ES | TRANSISTOR |
| | Q 841 | 2SC1740S(RS) | TRANSISTOR |
| | Q 842 | 2SC1740S(RS) | TRANSISTOR |
| | Q 851 | 2SD1302(S,T) | TRANSISTOR |
| | Q 853 | 2SC2001(L,K) | TRANSISTOR |
| | Q 854 | 2SC2001(L,K) | TRANSISTOR |
| | Q 855 | 2SD1302(S,T) | TRANSISTOR |
| | Q 857 | 2SC2001(L,K) | TRANSISTOR |
| | Q 858 | 2SC2001(L,K) | TRANSISTOR |
| | Q 901 | 2SA1359(OY) | TRANSISTOR |
| | Q 902 | 2SA1317(S,T) | TRANSISTOR |
| | Q 903 | 2SC3422(OY) | TRANSISTOR |
| | Q 904 | 2SD1302(S,T) | TRANSISTOR |
| | Q 905 | 2SB1043(QR) | TRANSISTOR |
| | Q 906 | 2SD1302(S,T) | TRANSISTOR |
| | Q 907 | 2SK301(P,Q) | FET |
| | Q 908 | 2SA933S(RS) | TRANSISTOR |
| | QH101 | 2SC1845(E,U) | TRANSISTOR |
| | QH102 | 2SD1302(S,T) | TRANSISTOR |
| | QH121 | 2SC1845(E,U) | TRANSISTOR |
| | QH122 | 2SD1302(S,T) | TRANSISTOR |
| | QH201 | 2SC1845(E,U) | TRANSISTOR |
| | QH202 | 2SD1302(S,T) | TRANSISTOR |
| | QH221 | 2SC1845(E,U) | TRANSISTOR |
| | QH222 | 2SD1302(S,T) | TRANSISTOR |
| | QH801 | 2SC1845(E,U) | TRANSISTOR |
| | QH802 | 2SA992(F,E,U) | TRANSISTOR |
| | QH803 | DTC124ES | TRANSISTOR |
| | QH821 | 2SC1845(E,U) | TRANSISTOR |
| | QH822 | 2SA992(F,E,U) | TRANSISTOR |
| | QH823 | DTC124ESTP | TRANSISTOR |
| | R 101 | QRD161J-104 | CARBON RESISTOR |
| | R 102 | QRD161J-105 | CARBON RESISTOR |
| | R 103 | QRD161J-180 | CARBON RESISTOR |
| | R 104 | QRD161J-682 | CARBON RESISTOR |
| | R 105 | QRD161J-512 | CARBON RESISTOR |
| | R 106 | QRD161J-394 | CARBON RESISTOR |
| | R 107 | QRD161J-103 | CARBON RESISTOR |
| | R 108 | QRD161J-103 | CARBON RESISTOR |


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| REF. | PARTS NO. | PARTS NAME |
|---|---|---|
| R 109 | QRD161J-223 | CARBON RESISTOR |
| R 110 | QRD161J-332 | CARBON RESISTOR |
| R 121 | QRD161J-104 | CARBON RESISTOR |
| R 122 | QRD161J-105 | CARBON RESISTOR |
| R 123 | QRD161J-392 | CARBON RESISTOR |
| R 124 | QRD161J-222 | CARBON RESISTOR |
| R 125 | QRD161J-332 | CARBON RESISTOR |
| R 126 | QRD161J-394 | CARBON RESISTOR |
| R 127 | QRD161J-332 | CARBON RESISTOR |
| R 128 | QRD161J-180 | CARBON RESISTOR |
| R 129 | QRD161J-103 | CARBON RESISTOR |
| R 130 | QRD161J-103 | CARBON RESISTOR |
| R 131 | QRD161J-223 | CARBON RESISTOR |
| R 132 | QRD161J-332 | CARBON RESISTOR |
| R 201 | QRD161J-104 | CARBON RESISTOR |
| R 202 | QRD161J-105 | CARBON RESISTOR |
| R 203 | QRD161J-180 | CARBON RESISTOR |
| R 204 | QRD161J-682 | CARBON RESISTOR |
| R 205 | QRD161J-512 | CARBON RESISTOR |
| R 206 | QRD161J-394 | CARBON RESISTOR |
| R 207 | QRD161J-103 | CARBON RESISTOR |
| R 208 | QRD161J-103 | CARBON RESISTOR |
| R 209 | QRD161J-223 | CARBON RESISTOR |
| R 210 | QRD161J-332 | CARBON RESISTOR |
| R 221 | QRD161J-104 | CARBON RESISTOR |
| R 222 | QRD161J-105 | CARBON RESISTOR |
| R 223 | QRD161J-392 | CARBON RESISTOR |
| R 224 | QRD161J-222 | CARBON RESISTOR |
| R 225 | QRD161J-332 | CARBON RESISTOR |
| R 226 | QRD161J-394 | CARBON RESISTOR |
| R 227 | QRD161J-332 | CARBON RESISTOR |
| R 228 | QRD161J-180 | CARBON RESISTOR |
| R 229 | QRD161J-103 | CARBON RESISTOR |
| R 230 | QRD161J-103 | CARBON RESISTOR |
| R 231 | QRD161J-223 | CARBON RESISTOR |
| R 232 | QRD161J-332 | CARBON RESISTOR |
| R 301 | QRD161J-333 | CARBON RESISTOR |
| R 302 | QRD161J-222 | CARBON RESISTOR |
| R 303 | QRD161J-472 | CARBON RESISTOR |
| R 305 | QRD161J-152 | CARBON RESISTOR |
| R 306 | QRD161J-472 | CARBON RESISTOR |
| R 311 | QRD161J-392 | CARBON RESISTOR |
| R 312 | QRD161J-153 | CARBON RESISTOR |
| R 313 | QRD161J-473 | CARBON RESISTOR |
| R 314 | QRD161J-221 | CARBON RESISTOR |
| R 316 | QRD161J-153 | CARBON RESISTOR |
| R 340 | QRD161J-473 | CARBON RESISTOR |
| R 341 | QRD161J-273 | CARBON RESISTOR |
| R 342 | QRD161J-393 | CARBON RESISTOR |
| R 343 | QRD161J-332 | CARBON RESISTOR |
| R 391 | QRD161J-151 | CARBON RESISTOR |
| R 392 | QRD161J-184 | CARBON RESISTOR |
| R 393 | QRD161J-473 | CARBON RESISTOR |
| R 394 | QRD161J-103 | CARBON RESISTOR |
| R 395 | QRD161J-103 | CARBON RESISTOR |
| R 401 | QRD161J-333 | CARBON RESISTOR |
| R 402 | QRD161J-222 | CARBON RESISTOR |
| R 403 | QRD161J-472 | CARBON RESISTOR |
| R 405 | QRD161J-152 | CARBON RESISTOR |
| R 406 | QRD161J-472 | CARBON RESISTOR |
| R 411 | QRD161J-392 | CARBON RESISTOR |
| R 412 | QRD161J-153 | CARBON RESISTOR |
| R 413 | QRD161J-473 | CARBON RESISTOR |
| R 414 | QRD161J-221 | CARBON RESISTOR |
| R 416 | QRD161J-153 | CARBON RESISTOR |
| R 440 | QRD161J-473 | CARBON RESISTOR |
| R 441 | QRD161J-273 | CARBON RESISTOR |
| R 442 | QRD161J-393 | CARBON RESISTOR |
| R 443 | QRD161J-332 | CARBON RESISTOR |
| R 491 | QRD161J-151 | CARBON RESISTOR |

| REF. | PARTS NO. | PARTS NAME |
|---|---|---|
| R 492 | QRD161J-184 | CARBON RESISTOR |
| R 493 | QRD161J-473 | CARBON RESISTOR |
| R 494 | QRD161J-103 | CARBON RESISTOR |
| R 495 | QRD161J-103 | CARBON RESISTOR |
| R 501 | QRD161J-223 | CARBON RESISTOR |
| R 502 | QRD161J-101 | CARBON RESISTOR |
| R 503 | QRD161J-223 | CARBON RESISTOR |
| R 504 | QRD161J-223 | CARBON RESISTOR |
| R 505 | QRD161J-223 | CARBON RESISTOR |
| R 506 | QRD161J-102 | CARBON RESISTOR |
| R 507 | QRD143J-475S | CARBON RESISTOR |
| R 530 | QRD161J-103 | CARBON RESISTOR |
| R 531 | QRD161J-223 | CARBON RESISTOR |
| R 533 | QRD161J-103 | CARBON RESISTOR |
| R 534 | QRD161J-223 | CARBON RESISTOR |
| R 535 | QRD161J-223 | CARBON RESISTOR |
| R 559 | QRD161J-472 | CARBON RESISTOR |
| R 560 | QRD161J-472 | CARBON RESISTOR |
| R 562 | QRD161J-104 | CARBON RESISTOR |
| R 563 | QRD161J-152 | CARBON RESISTOR |
| R 564 | QRD161J-151 | CARBON RESISTOR |
| R 565 | QRD161J-103 | CARBON RESISTOR |
| R 566 | QRD161J-155 | CARBON RESISTOR |
| R 567 | QRD161J-103 | CARBON RESISTOR |
| R 568 | QRD161J-104 | CARBON RESISTOR |
| R 569 | QRD161J-102 | CARBON RESISTOR |
| R 570 | QRD161J-104 | CARBON RESISTOR |
| R 571 | QRD161J-103 | CARBON RESISTOR |
| R 572 | QRD161J-104 | CARBON RESISTOR |
| R 573 | QRD161J-103 | CARBON RESISTOR |
| R 582 | QRD161J-104 | CARBON RESISTOR |
| R 583 | QRD161J-152 | CARBON RESISTOR |
| R 584 | QRD161J-151 | CARBON RESISTOR |
| R 585 | QRD161J-103 | CARBON RESISTOR |
| R 586 | QRD161J-155 | CARBON RESISTOR |
| R 587 | QRD161J-103 | CARBON RESISTOR |
| R 588 | QRD161J-104 | CARBON RESISTOR |
| R 589 | QRD161J-102 | CARBON RESISTOR |
| R 590 | QRD161J-104 | CARBON RESISTOR |
| R 591 | QRD161J-103 | CARBON RESISTOR |
| R 592 | QRD161J-104 | CARBON RESISTOR |
| R 593 | QRD161J-103 | CARBON RESISTOR |
| R 701 | QRD161J-471 | CARBON RESISTOR |
| R 702 | QRD161J-103 | CARBON RESISTOR |
| R 703 | QRD161J-102 | CARBON RESISTOR |
| R 704 | QRD161J-272 | CARBON RESISTOR |
| R 705 | QRD161J-102 | CARBON RESISTOR |
| R 706 | QRD161J-102 | CARBON RESISTOR |
| R 707 | QRD161J-471 | CARBON RESISTOR |
| R 708 | QRD161J-223 | CARBON RESISTOR |
| R 709 | QRD161J-103 | CARBON RESISTOR |
| R 710 | QRD161J-223 | CARBON RESISTOR |
| R 711 | QRD161J-473 | CARBON RESISTOR |
| R 712 | QRD161J-223 | CARBON RESISTOR |
| R 713 | QRD161J-221 | CARBON RESISTOR |
| R 716 | QRD161J-153 | CARBON RESISTOR |
| R 720 | QRD161J-473 | CARBON RESISTOR |
| R 721 | QRD161J-473 | CARBON RESISTOR |
| R 722 | QRD161J-102 | CARBON RESISTOR |
| R 724 | QRD161J-223 | CARBON RESISTOR |
| R 725 | QRD161J-104 | CARBON RESISTOR |
| R 727 | QRD161J-103 | CARBON RESISTOR |
| R 728 | QRD161J-221 | CARBON RESISTOR |
| R 729 | QRD161J-103 | CARBON RESISTOR |
| R 731 | QRD14CJ-100SX | CARBON RESISTOR |
| R 732 | QRD161J-101 | CARBON RESISTOR |
| R 734 | QRD161J-122 | CARBON RESISTOR |
| R 735 | QRD161J-103 | CARBON RESISTOR |
| R 736 | QRD161J-272 | CARBON RESISTOR |
| R 737 | QRD161J-102 | CARBON RESISTOR |

| REF. | PARTS NO. | PARTS NAME |
|---|---|---|
| R 738 | QRD161J-471 | CARBON RESISTOR |
| R 739 | QRD161J-103 | CARBON RESISTOR |
| R 741 | QRD14CJ-100SX | CARBON RESISTOR |
| R 742 | QRD161J-101 | CARBON RESISTOR |
| R 744 | QRD161J-122 | CARBON RESISTOR |
| R 745 | QRD161J-103 | CARBON RESISTOR |
| R 746 | QRD161J-272 | CARBON RESISTOR |
| R 747 | QRD161J-102 | CARBON RESISTOR |
| R 748 | QRD161J-471 | CARBON RESISTOR |
| R 749 | QRD161J-103 | CARBON RESISTOR |
| R 751 | QRD161J-184 | CARBON RESISTOR |
| R 752 | QRD161J-224 | CARBON RESISTOR |
| R 753 | QRD161J-273 | CARBON RESISTOR |
| R 754 | QRD161J-153 | CARBON RESISTOR |
| R 755 | QRD161J-563 | CARBON RESISTOR |
| R 756 | QRD161J-184 | CARBON RESISTOR |
| R 757 | QRD161J-224 | CARBON RESISTOR |
| R 758 | QRD161J-103 | CARBON RESISTOR |
| R 761 | QRD161J-184 | CARBON RESISTOR |
| R 762 | QRD161J-224 | CARBON RESISTOR |
| R 763 | QRD161J-273 | CARBON RESISTOR |
| R 764 | QRD161J-153 | CARBON RESISTOR |
| R 765 | QRD161J-563 | CARBON RESISTOR |
| R 766 | QRD161J-184 | CARBON RESISTOR |
| R 767 | QRD161J-224 | CARBON RESISTOR |
| R 771 | QRD161J-682 | CARBON RESISTOR |
| R 772 | QRD161J-682 | CARBON RESISTOR |
| R 773 | QRD161J-682 | CARBON RESISTOR |
| R 774 | QRD161J-682 | CARBON RESISTOR |
| R 781 | QRD161J-223 | CARBON RESISTOR |
| R 782 | QRD161J-472 | CARBON RESISTOR |
| R 783 | QRD161J-223 | CARBON RESISTOR |
| R 784 | QRD161J-472 | CARBON RESISTOR |
| R 801 | QRD161J-223 | CARBON RESISTOR |
| R 803 | QRD161J-223 | CARBON RESISTOR |
| R 806 | QRD161J-103 | CARBON RESISTOR |
| R 807 | QRD161J-102 | CARBON RESISTOR |
| R 823 | QRD161J-683 | CARBON RESISTOR |
| R 824 | QRD161J-683 | CARBON RESISTOR |
| R 825 | QRD161J-224 | CARBON RESISTOR |
| R 826 | QRD161J-103 | CARBON RESISTOR |
| R 827 | QRD161J-103 | CARBON RESISTOR |
| R 841 | QRD161J-223 | CARBON RESISTOR |
| R 842 | QRD161J-223 | CARBON RESISTOR |
| R 843 | QRD161J-222 | CARBON RESISTOR |
| R 844 | QRD161J-473 | CARBON RESISTOR |
| R 845 | QRD161J-222 | CARBON RESISTOR |
| R 846 | QRD161J-223 | CARBON RESISTOR |
| R 847 | QRD161J-223 | CARBON RESISTOR |
| R 848 | QRD161J-222 | CARBON RESISTOR |
| R 849 | QRD161J-473 | CARBON RESISTOR |
| R 850 | QRD161J-222 | CARBON RESISTOR |
| R 851 | QRD14CJ-4R7SX | CARBON RESISTOR |
| R 852 | QRD161J-392 | CARBON RESISTOR |
| R 853 | QRD161J-152 | CARBON RESISTOR |
| R 854 | QRD161J-223 | CARBON RESISTOR |
| R 855 | QRD161J-102 | CARBON RESISTOR |
| R 856 | QRD161J-102 | CARBON RESISTOR |
| R 858 | QRD161J-332 | CARBON RESISTOR |
| R 860 | QRD161J-333 | CARBON RESISTOR |
| R 863 | QRD161J-472 | CARBON RESISTOR |
| R 864 | QRD161J-222 | CARBON RESISTOR |
| R 865 | QRD161J-333 | CARBON RESISTOR |
| R 866 | QRD161J-333 | CARBON RESISTOR |
| R 867 | QRD14CJ-2R2SX | CARBON RESISTOR |
| R 868 | QRD14CJ-2R2SX | CARBON RESISTOR |
| R 870 | QRZ0077-4R7X | FUSE RESISTOR |
| R 871 | QRD14CJ-4R7SX | CARBON RESISTOR |
| R 872 | QRD161J-392 | CARBON RESISTOR |
| R 873 | QRD161J-152 | CARBON RESISTOR |

| REF. | PARTS NO. | PARTS NAME |
|---|---|---|
| R 874 | QRD161J-223 | CARBON RESISTOR |
| R 875 | QRD161J-102 | CARBON RESISTOR |
| R 876 | QRD161J-102 | CARBON RESISTOR |
| R 883 | QRD161J-472 | CARBON RESISTOR |
| R 884 | QRD161J-222 | CARBON RESISTOR |
| R 885 | QRD161J-333 | CARBON RESISTOR |
| R 886 | QRD161J-333 | CARBON RESISTOR |
| R 887 | QRD14CJ-2R2SX | CARBON RESISTOR |
| R 888 | QRD14CJ-2R2SX | CARBON RESISTOR |
| R 890 | QRZ0077-4R7X | FUSE RESISTOR |
| R 891 | QRZ0077-4R7X | FUSE RESISTOR |
| R 904 | QRD121J-2R2 | CARBON RESISTOR |
| R 905 | QRD161J-471 | CARBON RESISTOR |
| R 907 | QRD161J-332 | CARBON RESISTOR |
| R 908 | QRD161J-272 | CARBON RESISTOR |
| R 912 | QRD14CJ-1R0SX | CARBON RESISTOR |
| R 913 | QRD14CJ-471SX | CARBON RESISTOR |
| R 914 | QRZ0077-4R7X | FUSE RESISTOR |
| R 915 | QRD161J-471 | CARBON RESISTOR |
| R 916 | QRD14CJ-4R7SX | CARBON RESISTOR |
| R 917 | QRD161J-471 | CARBON RESISTOR |
| R 923 | QRD161J-102 | CARBON RESISTOR |
| R 924 | QRD14CJ-4R7SX | CARBON RESISTOR |
| R 931 | QRZ0076-4R7X | CARBON RESISTOR |
| RH102 | QRD161J-182 | CARBON RESISTOR |
| RH122 | QRD161J-182 | CARBON RESISTOR |
| RH202 | QRD161J-182 | CARBON RESISTOR |
| RH222 | QRD161J-182 | CARBON RESISTOR |
| RH801 | QRD161J-471 | CARBON RESISTOR |
| RH802 | QRD161J-391 | CARBON RESISTOR |
| RH803 | QRD161J-332 | CARBON RESISTOR |
| RH804 | QRD161J-472 | CARBON RESISTOR |
| RH805 | QRD161J-222 | CARBON RESISTOR |
| RH806 | QRD161J-332 | CARBON RESISTOR |
| RH807 | QRD161J-222 | CARBON RESISTOR |
| RH821 | QRD161J-471 | CARBON RESISTOR |
| RH822 | QRD161J-391 | CARBON RESISTOR |
| RH823 | QRD161J-332 | CARBON RESISTOR |
| RH824 | QRD161J-472 | CARBON RESISTOR |
| RH825 | QRD161J-222 | CARBON RESISTOR |
| RH826 | QRD161J-332 | CARBON RESISTOR |
| RH827 | QRD161J-222 | CARBON RESISTOR |
| VR101 | QVZ3523-101 | V RESISTOR |
| VR102 | QVZ3523-203AZ | V RESISTOR |
| VR103 | QVZ3523-101 | V RESISTOR |
| VR104 | QVZ3523-203AZ | V RESISTOR |
| VR201 | QVZ3523-101 | V RESISTOR |
| VR202 | QVZ3523-203AZ | V RESISTOR |
| VR203 | QVZ3523-101 | V RESISTOR |
| VR204 | QVZ3523-203AZ | V RESISTOR |
| VR701 | QVPE612-103ZM | V RESISTOR |
| VR702 | QVPE612-203ZM | V RESISTOR |
| VR703 | QVPE612-103ZM | V RESISTOR |
| VR704 | QVPE612-203ZM | V RESISTOR |



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## ■ Other Board

Fig. 7-2




Fig. 7-3


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## Other Board Parts List

BLOCK NO. 0 2

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | C 321 | QFN41HJ-152 | M CAPACITOR |
| | C 322 | QFN41HJ-332 | M CAPACITOR |
| | C 323 | QETC1HM-105ZN | E CAPACITOR |
| | C 324 | QEN61ER-475ZN | NP.E.CAPACITOR |
| | C 325 | QFN41HJ-222 | M CAPACITOR |
| | C 326 | QFN41HJ-222 | M CAPACITOR |
| | C 327 | QETC1HM-564ZN | E CAPACITOR |
| | C 328 | QETC1HM-334ZN | E.CAPACITOR |
| | C 329 | QEN61ER-475ZN | NP.E.CAPACITOR |
| | C 353 | QETC1HM-105ZN | E CAPACITOR |
| | C 354 | QCS11HJ-330 | C.CAPACITOR |
| | C 355 | QETC1HM-474ZN | E CAPACITOR |
| | C 356 | QCS11HJ-471 | C CAPACITOR |
| | C 357 | QCY41HK-682 | C CAPACITOR |
| | C 359 | QFV41HJ-123 | FILM CAPACITOR |
| | C 360 | QFN41HJ-682 | M CAPACITOR |
| | C 361 | QCC11EM-103 | C CAPACITOR |
| | C 362 | QCC31EM-823ZV | C CAPACITOR |
| | C 363 | QCC31EM-333ZV | C CAPACITOR |
| | C 364 | QCC31EM-563ZV | C CAPACITOR |
| | C 365 | QCC11EM-123 | C CAPACITOR |
| | C 373 | QETC1HM-105ZN | E CAPACITOR |
| | C 374 | QCS11HJ-330 | C.CAPACITOR |
| | C 375 | QETC1HM-474ZN | E CAPACITOR |
| | C 376 | QCS11HJ-471 | C CAPACITOR |
| | C 377 | QCY41HK-682 | C CAPACITOR |
| | C 379 | QFV41HJ-123 | FILM CAPACITOR |
| | C 380 | QFN41HJ-682 | M CAPACITOR |
| | C 381 | QCC31EM-153ZV | C.CAPACITOR |
| | C 382 | QCC11EM-683 | C CAPACITOR |
| | C 383 | QCC31EM-273ZV | C CAPACITOR |
| | C 384 | QCC31EM-563ZV | C CAPACITOR |
| | C 421 | QFN41HJ-152 | M CAPACITOR |
| | C 422 | QFN41HJ-332 | M CAPACITOR |
| | C 423 | QETC1HM-105ZN | E CAPACITOR |
| | C 424 | QEN61ER-475ZN | NP.E.CAPACITOR |
| | C 425 | QFN41HJ-222 | M CAPACITOR |
| | C 426 | QFN41HJ-222 | M CAPACITOR |
| | C 427 | QETC1HM-564ZN | E CAPACITOR |
| | C 428 | QETC1HM-334ZN | E.CAPACITOR |
| | C 429 | QEN61ER-475ZN | NP.E.CAPACITOR |
| | C 453 | QETC1HM-105ZN | E CAPACITOR |
| | C 454 | QCS11HJ-330 | C.CAPACITOR |
| | C 455 | QETC1HM-474ZN | E CAPACITOR |
| | C 456 | QCS11HJ-471 | C CAPACITOR |
| | C 457 | QCY41HK-682 | C CAPACITOR |
| | C 459 | QFV41HJ-123 | FILM CAPACITOR |
| | C 460 | QFN41HJ-682 | M CAPACITOR |
| | C 461 | QCC11EM-103 | C CAPACITOR |
| | C 462 | QCC31EM-823ZV | C CAPACITOR |
| | C 463 | QCC31EM-333ZV | C CAPACITOR |
| | C 464 | QCC31EM-563ZV | C CAPACITOR |
| | C 465 | QCC11EM-123 | C CAPACITOR |
| | C 473 | QETC1HM-105ZN | E CAPACITOR |
| | C 474 | QCS11HJ-330 | C.CAPACITOR |
| | C 475 | QETC1HM-474ZN | E CAPACITOR |
| | C 476 | QCS11HJ-471 | C CAPACITOR |
| | C 477 | QCY41HK-682 | C CAPACITOR |
| | C 479 | QFV41HJ-123 | FILM CAPACITOR |
| | C 480 | QFN41HJ-682 | M CAPACITOR |
| | C 481 | QCC31EM-153ZV | C.CAPACITOR |
| | C 482 | QCC11EM-683 | C CAPACITOR |
| | C 483 | QCC31EM-273ZV | C CAPACITOR |
| | C 484 | QCC31EM-563ZV | C CAPACITOR |
| | C 520 | QETC1EM-106ZN | E CAPACITOR |
| | C 521 | QETC1AM-107ZN | E CAPACITOR |
| | C 522 | QETC1AM-107ZN | E CAPACITOR |
| | C 523 | QETC1EM-106ZN | E CAPACITOR |
| | C 524 | QCF11HP-103 | C CAPACITOR |
| | C 553 | QCVB1CM-103Y | C CAPACITOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | C 554 | QCVB1CM-103Y | C CAPACITOR |
| | C 661 | QER41AM-107 | E CAPACITOR |
| | CF661 | EFO-GC6004T5 | CERA LOCK |
| | CN601 | VMC0075-R03N | CONNECTOR |
| | CN603 | VMC0075-R06N | CONNECTOR |
| | CN605 | VMC0162-R14 | CONNECTOR |
| | CN611 | VMC0075-R03N | CONNECTOR |
| | CN613 | VMC0075-R06N | CONNECTOR |
| | CN615 | VMC0162-R15 | CONNECTOR |
| | CN624 | VMC0229-Q05 | CONNECTOR |
| | CN625 | VMC0229-P10 | CONNECTOR |
| | CN626 | VMC0229-Q09 | CONNECTOR |
| | CN627 | VMC0229-Q07 | CONNECTOR |
| | CN628 | VMC0229-Q09 | CONNECTOR |
| | CN631 | VMC0162-R22 | CONNECTOR |
| | CN807 | VMC0075-005N | CONNECTOR |
| | CN808 | VMC0075-005N | CONNECTOR |
| | CN902 | VMC0166-004Z | CONNECTOR |
| | CX101 | QCS11HJ-221 | C CAPACITOR |
| | CX102 | QCS32HJ-101ZV | C CAPACITOR |
| | CX103 | QCF11HP-103 | C CAPACITOR |
| | CX104 | QCS11HJ-101 | C CAPACITOR |
| | CX105 | QCS11HJ-221 | C CAPACITOR |
| | CX106 | QCS11HJ-221 | C CAPACITOR |
| | CX107 | QCS11HJ-271 | C CAPACITOR |
| | CX108 | QFV41HJ-103 | FILM CAPACITOR |
| | CX109 | QFV41HJ-223 | FILM CAPACITOR |
| | CX151 | QCS11HJ-221 | C CAPACITOR |
| | CX152 | QCS32HJ-101ZV | C CAPACITOR |
| | CX153 | QCF11HP-103 | C CAPACITOR |
| | CX154 | QCS11HJ-101 | C CAPACITOR |
| | CX155 | QCS11HJ-221 | C CAPACITOR |
| | CX156 | QCS11HJ-221 | C CAPACITOR |
| | CX157 | QCS11HJ-271 | C CAPACITOR |
| | CX158 | QFV41HJ-103 | FILM CAPACITOR |
| | CX159 | QFV41HJ-223 | FILM CAPACITOR |
| | CX201 | QCS11HJ-221 | C CAPACITOR |
| | CX202 | QCS32HJ-101ZV | C CAPACITOR |
| | CX203 | QCF11HP-103 | C CAPACITOR |
| | CX204 | QCS11HJ-101 | C CAPACITOR |
| | CX205 | QCS11HJ-221 | C CAPACITOR |
| | CX206 | QCS11HJ-221 | C CAPACITOR |
| | CX207 | QCS11HJ-271 | C CAPACITOR |
| | CX208 | QFV41HJ-103 | FILM CAPACITOR |
| | CX209 | QFV41HJ-223 | FILM CAPACITOR |
| | CX251 | QCS11HJ-221 | C CAPACITOR |
| | CX252 | QCS32HJ-101ZV | C CAPACITOR |
| | CX253 | QCF11HP-103 | C CAPACITOR |
| | CX254 | QCS11HJ-101 | C CAPACITOR |
| | CX255 | QCS11HJ-221 | C CAPACITOR |
| | CX256 | QCS11HJ-221 | C CAPACITOR |
| | CX257 | QCS11HJ-271 | C CAPACITOR |
| | CX258 | QFV41HJ-103 | FILM CAPACITOR |
| | CX259 | QFV41HJ-223 | FILM CAPACITOR |
| | CX801 | QCF11HP-103 | C CAPACITOR |
| | CX802 | QCF11HP-103 | C CAPACITOR |
| | CX803 | QCS11HJ-151 | C CAPACITOR |
| | CX804 | QCS11HJ-151 | C CAPACITOR |
| | CX805 | QCF11HP-103 | C CAPACITOR |
| | CX806 | QCF11HP-103 | C CAPACITOR |
| | CX807 | QETC1EM-106ZN | E CAPACITOR |
| | CX808 | QETC1HM-475ZN | E CAPACITOR |
| | CX809 | QFV41HJ-103 | FILM CAPACITOR |
| | CX810 | QETC1CM-107ZN | E CAPACITOR |
| | CX851 | QCF11HP-103 | C CAPACITOR |
| | CX852 | QCF11HP-103 | C CAPACITOR |
| | CX853 | QCS11HJ-151 | C CAPACITOR |
| | CX854 | QCS11HJ-151 | C CAPACITOR |
| | CX855 | QCF11HP-103 | C CAPACITOR |
| | CX856 | QCF11HP-103 | C CAPACITOR |



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| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | CX857 | QETC1EM-106ZN | E CAPACITOR |
| | CX858 | QETC1HM-475ZN | E CAPACITOR |
| | CX859 | QFV41HJ-103 | FILM CAPACITOR |
| | CX860 | QETC1CM-107ZN | E CAPACITOR |
| | D 551 | 1SS254 | SI DIODE |
| | D 631 | 1SS254 | SI DIODE |
| | D 632 | 1SS254 | SI DIODE |
| | D 633 | 1SS254 | SI DIODE |
| | D 634 | 1SS254 | SI DIODE |
| | D 635 | 1SS254 | SI DIODE |
| | D 641 | 1SS254 | SI DIODE |
| | D 642 | 1SS254 | SI DIODE |
| | D 643 | 1SS254 | SI DIODE |
| | D 644 | 1SS254 | SI DIODE |
| | D 645 | 1SS254 | SI DIODE |
| | D 661 | 1SS254 | SI DIODE |
| | D 662 | 1SS254 | SI DIODE |
| | DX101 | 1SS254 | SI DIODE |
| | DX102 | 1SS254 | SI DIODE |
| | DX151 | 1SS254 | SI DIODE |
| | DX152 | 1SS254 | SI DIODE |
| | DX201 | 1SS254 | SI DIODE |
| | DX202 | 1SS254 | SI DIODE |
| | DX251 | 1SS254 | SI DIODE |
| | DX252 | 1SS254 | SI DIODE |
| | DX801 | 1SS254 | SI DIODE |
| | DX802 | 1SS254 | SI DIODE |
| | DX851 | 1SS254 | SI DIODE |
| | DX852 | 1SS254 | SI DIODE |
| | F 901 | VMZ0087-001Z | FUSE CLIP |
| | F 902 | VMZ0087-001Z | FUSE CLIP |
| | FL661 | FIP90AW19Y | FL TUBE |
| | IC661 | MB88516B-1439T | IC |
| | IC812 | CXA1331S | DOLBY IC |
| | IC815 | BA15218N | IC |
| | IC816 | BA15218N | IC |
| | IC817 | MC14066BCP | IC |
| | IC851 | LM324N | IC |
| | IC852 | UPC4570HA | IC |
| | IC853 | UPC4570HA | IC |
| | IC855 | LM324N | IC |
| | IC856 | UPC4570HA | IC |
| | IC857 | UPC4570HA | IC |
| | J 601 | QMS6022-V01 | JACK |
| | L 301 | VQZ0067-001 | FILTER |
| | L 351 | VQP0001-562S | INDUCTOR |
| | L 371 | VQP0001-562S | INDUCTOR |
| | L 401 | VQZ0067-001 | FILTER |
| | L 451 | VQP0001-562S | INDUCTOR |
| | L 471 | VQP0001-562S | INDUCTOR |
| | LX101 | VQH1008-045 | OSC COIL(BIAS) |
| | LX151 | VQH1008-045 | OSC COIL(BIAS) |
| | LX201 | VQH1008-045 | OSC COIL(BIAS) |
| | LX251 | VQH1008-045 | OSC COIL(BIAS) |
| | Q 302 | 2SC1740S(RS) | TRANSISTOR |
| | Q 303 | 2SC1740S(RS) | TRANSISTOR |
| | Q 351 | 2SD1302(S,T) | TRANSISTOR |
| | Q 352 | DTC124ES | TRANSISTOR |
| | Q 353 | 2SC1740S(RS) | TRANSISTOR |
| | Q 354 | 2SC1740S(RS) | TRANSISTOR |
| | Q 355 | 2SD1302(S,T) | TRANSISTOR |
| | Q 356 | 2SC1740S(RS) | TRANSISTOR |
| | Q 357 | 2SC1740S(RS) | TRANSISTOR |
| | Q 402 | 2SC1740S(RS) | TRANSISTOR |
| | Q 403 | 2SC1740S(RS) | TRANSISTOR |
| | Q 451 | 2SD1302(S,T) | TRANSISTOR |
| | Q 452 | DTC124ES | TRANSISTOR |
| | Q 453 | 2SC1740S(RS) | TRANSISTOR |
| | Q 454 | 2SC1740S(RS) | TRANSISTOR |
| | Q 455 | 2SD1302(S,T) | TRANSISTOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | Q 456 | 2SC1740S(RS) | TRANSISTOR |
| | Q 457 | 2SC1740S(RS) | TRANSISTOR |
| | Q 660 | DTA123YS | TRANSISTOR |
| | Q 661 | DTA123YS | TRANSISTOR |
| | Q 662 | DTA123YS | TRANSISTOR |
| | Q 663 | DTA123YS | TRANSISTOR |
| | Q 664 | DTA123YS | TRANSISTOR |
| | Q 665 | DTA123YS | TRANSISTOR |
| | Q 666 | DTA123YS | TRANSISTOR |
| | Q 667 | DTA123YS | TRANSISTOR |
| | QX101 | 2SC2001(L,K) | TRANSISTOR |
| | QX102 | 2SC2001(L,K) | TRANSISTOR |
| | QX103 | 2SD1302(S,T) | TRANSISTOR |
| | QX151 | 2SC2001(L,K) | TRANSISTOR |
| | QX152 | 2SC2001(L,K) | TRANSISTOR |
| | QX153 | 2SD1302(S,T) | TRANSISTOR |
| | QX201 | 2SC2001(L,K) | TRANSISTOR |
| | QX202 | 2SC2001(L,K) | TRANSISTOR |
| | QX203 | 2SD1302(S,T) | TRANSISTOR |
| | QX251 | 2SC2001(L,K) | TRANSISTOR |
| | QX252 | 2SC2001(L,K) | TRANSISTOR |
| | QX253 | 2SD1302(S,T) | TRANSISTOR |
| | QX801 | 2SA933S(RS) | TRANSISTOR |
| | QX802 | 2SA933S(RS) | TRANSISTOR |
| | QX851 | 2SA933S(RS) | TRANSISTOR |
| | QX852 | 2SA933S(RS) | TRANSISTOR |
| | R 304 | QRD161J-182 | CARBON RESISTOR |
| | R 315 | QRD161J-124 | CARBON RESISTOR |
| | R 317 | QRD161J-103 | CARBON RESISTOR |
| | R 321 | QRD161J-105 | CARBON RESISTOR |
| | R 322 | QRD161J-222 | CARBON RESISTOR |
| | R 323 | QRD161J-562 | CARBON RESISTOR |
| | R 324 | QRD161J-105 | CARBON RESISTOR |
| | R 325 | QRD161J-243 | CARBON RESISTOR |
| | R 326 | QRD161J-561 | CARBON RESISTOR |
| | R 351 | QRD161J-332 | CARBON RESISTOR |
| | R 352 | QRD161J-472 | CARBON RESISTOR |
| | R 353 | QRD161J-123 | CARBON RESISTOR |
| | R 354 | QRD161J-153 | CARBON RESISTOR |
| | R 355 | QRD161J-472 | CARBON RESISTOR |
| | R 356 | QRD161J-102 | CARBON RESISTOR |
| | R 357 | QRD161J-103 | CARBON RESISTOR |
| | R 358 | QRD161J-224 | CARBON RESISTOR |
| | R 359 | QRD161J-471 | CARBON RESISTOR |
| | R 360 | QRD161J-221 | CARBON RESISTOR |
| | R 361 | QRD161J-152 | CARBON RESISTOR |
| | R 362 | QRD161J-471 | CARBON RESISTOR |
| | R 363 | QRD161J-472 | CARBON RESISTOR |
| | R 364 | QRD161J-152 | CARBON RESISTOR |
| | R 365 | QRD161J-122 | CARBON RESISTOR |
| | R 366 | QRD161J-222 | CARBON RESISTOR |
| | R 367 | QRD161J-105 | CARBON RESISTOR |
| | R 371 | QRD161J-332 | CARBON RESISTOR |
| | R 372 | QRD161J-472 | CARBON RESISTOR |
| | R 373 | QRD161J-123 | CARBON RESISTOR |
| | R 374 | QRD161J-153 | CARBON RESISTOR |
| | R 375 | QRD161J-472 | CARBON RESISTOR |
| | R 376 | QRD161J-102 | CARBON RESISTOR |
| | R 377 | QRD161J-103 | CARBON RESISTOR |
| | R 380 | QRD161J-221 | CARBON RESISTOR |
| | R 381 | QRD161J-122 | CARBON RESISTOR |
| | R 382 | QRD161J-821 | CARBON RESISTOR |
| | R 383 | QRD161J-272 | CARBON RESISTOR |
| | R 384 | QRD161J-152 | CARBON RESISTOR |
| | R 404 | QRD161J-182 | CARBON RESISTOR |
| | R 415 | QRD161J-124 | CARBON RESISTOR |
| | R 417 | QRD161J-103 | CARBON RESISTOR |
| | R 421 | QRD161J-105 | CARBON RESISTOR |
| | R 422 | QRD161J-222 | CARBON RESISTOR |
| | R 423 | QRD161J-562 | CARBON RESISTOR |


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| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | R 424 | QRD161J-105 | CARBON RESISTOR |
| | R 425 | QRD161J-243 | CARBON RESISTOR |
| | R 426 | QRD161J-561 | CARBON RESISTOR |
| | R 451 | QRD161J-332 | CARBON RESISTOR |
| | R 452 | QRD161J-472 | CARBON RESISTOR |
| | R 453 | QRD161J-123 | CARBON RESISTOR |
| | R 454 | QRD161J-153 | CARBON RESISTOR |
| | R 455 | QRD161J-472 | CARBON RESISTOR |
| | R 456 | QRD161J-102 | CARBON RESISTOR |
| | R 457 | QRD161J-103 | CARBON RESISTOR |
| | R 458 | QRD161J-224 | CARBON RESISTOR |
| | R 459 | QRD161J-471 | CARBON RESISTOR |
| | R 460 | QRD161J-221 | CARBON RESISTOR |
| | R 461 | QRD161J-152 | CARBON RESISTOR |
| | R 462 | QRD161J-471 | CARBON RESISTOR |
| | R 463 | QRD161J-472 | CARBON RESISTOR |
| | R 464 | QRD161J-152 | CARBON RESISTOR |
| | R 465 | QRD161J-122 | CARBON RESISTOR |
| | R 466 | QRD161J-222 | CARBON RESISTOR |
| | R 467 | QRD161J-105 | CARBON RESISTOR |
| | R 471 | QRD161J-332 | CARBON RESISTOR |
| | R 472 | QRD161J-472 | CARBON RESISTOR |
| | R 473 | QRD161J-123 | CARBON RESISTOR |
| | R 474 | QRD161J-153 | CARBON RESISTOR |
| | R 475 | QRD161J-472 | CARBON RESISTOR |
| | R 476 | QRD161J-102 | CARBON RESISTOR |
| | R 477 | QRD161J-103 | CARBON RESISTOR |
| | R 480 | QRD161J-221 | CARBON RESISTOR |
| | R 481 | QRD161J-122 | CARBON RESISTOR |
| | R 482 | QRD161J-821 | CARBON RESISTOR |
| | R 483 | QRD161J-272 | CARBON RESISTOR |
| | R 484 | QRD161J-152 | CARBON RESISTOR |
| | R 520 | QRD161J-103 | CARBON RESISTOR |
| | R 522 | QRD161J-100 | CARBON RESISTOR |
| | R 523 | QRD161J-273 | CARBON RESISTOR |
| | R 524 | QRD161J-103 | CARBON RESISTOR |
| | R 525 | QRD161J-100 | CARBON RESISTOR |
| | R 526 | QRD161J-102 | CARBON RESISTOR |
| | R 551 | QRD161J-103 | CARBON RESISTOR |
| | R 552 | QRD161J-223 | CARBON RESISTOR |
| | R 553 | QRD161J-223 | CARBON RESISTOR |
| | R 554 | QRD161J-223 | CARBON RESISTOR |
| | R 556 | QRD161J-103 | CARBON RESISTOR |
| | R 557 | QRD161J-223 | CARBON RESISTOR |
| | R 558 | QRD161J-223 | CARBON RESISTOR |
| | R 561 | QRD161J-391 | CARBON RESISTOR |
| | R 581 | QRD161J-391 | CARBON RESISTOR |
| | R 601 | QRD161J-102 | CARBON RESISTOR |
| | R 602 | QRD161J-122 | CARBON RESISTOR |
| | R 603 | QRD161J-183 | CARBON RESISTOR |
| | R 606 | QRD161J-273 | CARBON RESISTOR |
| | R 607 | QRD161J-102 | CARBON RESISTOR |
| | R 608 | QRD161J-122 | CARBON RESISTOR |
| | R 609 | QRD161J-182 | CARBON RESISTOR |
| | R 610 | QRD161J-163Y | CARBON RESISTOR |
| | R 613 | QRD161J-273 | CARBON RESISTOR |
| | R 614 | QRD161J-102 | CARBON RESISTOR |
| | R 615 | QRD161J-122 | CARBON RESISTOR |
| | R 617 | QRD161J-102 | CARBON RESISTOR |
| | R 618 | QRD161J-122 | CARBON RESISTOR |
| | R 619 | QRD161J-182 | CARBON RESISTOR |
| | R 620 | QRD161J-272 | CARBON RESISTOR |
| | R 621 | QRD161J-472 | CARBON RESISTOR |
| | R 622 | QRD161J-223 | CARBON RESISTOR |
| | R 623 | QRD161J-223 | CARBON RESISTOR |
| | R 624 | QRD161J-332 | CARBON RESISTOR |
| | R 661 | QRD161J-221 | CARBON RESISTOR |
| | R 662 | QRD161J-682 | CARBON RESISTOR |
| | R 663 | QRD161J-392 | CARBON RESISTOR |
| | R 664 | QRD161J-153 | CARBON RESISTOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | R 665 | QRD161J-113 | CARBON RESISTOR |
| | R 666 | QRD161J-103 | CARBON RESISTOR |
| | R 667 | QRD161J-103 | CARBON RESISTOR |
| | R 668 | QRD161J-103 | CARBON RESISTOR |
| | R 669 | QRD161J-103 | CARBON RESISTOR |
| | R 670 | QRD161J-222 | CARBON RESISTOR |
| | R 671 | QRD161J-272 | CARBON RESISTOR |
| | R 672 | QRD161J-222 | CARBON RESISTOR |
| | R 673 | QRD161J-272 | CARBON RESISTOR |
| | R 674 | QRD161J-153 | CARBON RESISTOR |
| | R 675 | QRD161J-102 | CARBON RESISTOR |
| | RN661 | QRB075J-223 | R NETWORK |
| | RN662 | QRB085J-223 | CARBON RESISTOR |
| | RN663 | QRB085J-223 | CARBON RESISTOR |
| | RX101 | QRD14CJ-100SX | CARBON RESISTOR |
| | RX102 | QRD161J-823 | CARBON RESISTOR |
| | RX103 | QRD161J-823 | CARBON RESISTOR |
| | RX104 | QRD161J-101 | CARBON RESISTOR |
| | RX105 | QRD161J-101 | CARBON RESISTOR |
| | RX106 | QRD161J-334 | CARBON RESISTOR |
| | RX107 | QRD161J-563 | CARBON RESISTOR |
| | RX108 | QRD161J-103 | CARBON RESISTOR |
| | RX109 | QRD161J-102 | CARBON RESISTOR |
| | RX110 | QRD161J-103 | CARBON RESISTOR |
| | RX111 | QRD161J-104 | CARBON RESISTOR |
| | RX112 | QRD161J-103 | CARBON RESISTOR |
| | RX113 | QRD161J-103 | CARBON RESISTOR |
| | RX114 | QRD161J-103 | CARBON RESISTOR |
| | RX115 | QRD161J-102 | CARBON RESISTOR |
| | RX116 | QRD14CJ-4R7SX | CARBON RESISTOR |
| | RX118 | QRD161J-153 | CARBON RESISTOR |
| | RX151 | QRD14CJ-100SX | CARBON RESISTOR |
| | RX152 | QRD161J-823 | CARBON RESISTOR |
| | RX153 | QRD161J-823 | CARBON RESISTOR |
| | RX154 | QRD161J-101 | CARBON RESISTOR |
| | RX155 | QRD161J-101 | CARBON RESISTOR |
| | RX156 | QRD161J-334 | CARBON RESISTOR |
| | RX157 | QRD161J-563 | CARBON RESISTOR |
| | RX158 | QRD161J-103 | CARBON RESISTOR |
| | RX159 | QRD161J-102 | CARBON RESISTOR |
| | RX160 | QRD161J-103 | CARBON RESISTOR |
| | RX161 | QRD161J-104 | CARBON RESISTOR |
| | RX162 | QRD161J-103 | CARBON RESISTOR |
| | RX163 | QRD161J-103 | CARBON RESISTOR |
| | RX164 | QRD161J-103 | CARBON RESISTOR |
| | RX165 | QRD161J-102 | CARBON RESISTOR |
| | RX166 | QRD14CJ-4R7SX | CARBON RESISTOR |
| | RX168 | QRD161J-153 | CARBON RESISTOR |
| | RX201 | QRD14CJ-100SX | CARBON RESISTOR |
| | RX202 | QRD161J-823 | CARBON RESISTOR |
| | RX203 | QRD161J-823 | CARBON RESISTOR |
| | RX204 | QRD161J-101 | CARBON RESISTOR |
| | RX205 | QRD161J-101 | CARBON RESISTOR |
| | RX206 | QRD161J-334 | CARBON RESISTOR |
| | RX207 | QRD161J-563 | CARBON RESISTOR |
| | RX208 | QRD161J-103 | CARBON RESISTOR |
| | RX209 | QRD161J-102 | CARBON RESISTOR |
| | RX210 | QRD161J-103 | CARBON RESISTOR |
| | RX211 | QRD161J-104 | CARBON RESISTOR |
| | RX212 | QRD161J-103 | CARBON RESISTOR |
| | RX213 | QRD161J-103 | CARBON RESISTOR |
| | RX214 | QRD161J-103 | CARBON RESISTOR |
| | RX215 | QRD161J-102 | CARBON RESISTOR |
| | RX216 | QRD14CJ-4R7SX | CARBON RESISTOR |
| | RX218 | QRD161J-153 | CARBON RESISTOR |
| | RX251 | QRD14CJ-100SX | CARBON RESISTOR |
| | RX252 | QRD161J-823 | CARBON RESISTOR |
| | RX253 | QRD161J-823 | CARBON RESISTOR |
| | RX254 | QRD161J-101 | CARBON RESISTOR |
| | RX255 | QRD161J-101 | CARBON RESISTOR |



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| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | RX256 | QRD161J-334 | CARBON RESISTOR |
| | RX257 | QRD161J-563 | CARBON RESISTOR |
| | RX258 | QRD161J-103 | CARBON RESISTOR |
| | RX259 | QRD161J-102 | CARBON RESISTOR |
| | RX260 | QRD161J-103 | CARBON RESISTOR |
| | RX261 | QRD161J-104 | CARBON RESISTOR |
| | RX262 | QRD161J-103 | CARBON RESISTOR |
| | RX263 | QRD161J-103 | CARBON RESISTOR |
| | RX264 | QRD161J-103 | CARBON RESISTOR |
| | RX265 | QRD161J-102 | CARBON RESISTOR |
| | RX266 | QRD14CJ-4R7SX | CARBON RESISTOR |
| | RX268 | QRD161J-153 | CARBON RESISTOR |
| | RX801 | QRD161J-223 | CARBON RESISTOR |
| | RX802 | QRD161J-223 | CARBON RESISTOR |
| | RX803 | QRD161J-103 | CARBON RESISTOR |
| | RX804 | QRD161J-103 | CARBON RESISTOR |
| | RX805 | QRD161J-103 | CARBON RESISTOR |
| | RX806 | QRD161J-562 | CARBON RESISTOR |
| | RX807 | QRD161J-392 | CARBON RESISTOR |
| | RX808 | QRD161J-104 | CARBON RESISTOR |
| | RX809 | QRD161J-682 | CARBON RESISTOR |
| | RX810 | QRD161J-123 | CARBON RESISTOR |
| | RX811 | QRD161J-682 | CARBON RESISTOR |
| | RX812 | QRD161J-104 | CARBON RESISTOR |
| | RX813 | QRD161J-223 | CARBON RESISTOR |
| | RX814 | QRD161J-223 | CARBON RESISTOR |
| | RX815 | QRD161J-562 | CARBON RESISTOR |
| | RX851 | QRD161J-223 | CARBON RESISTOR |
| | RX852 | QRD161J-223 | CARBON RESISTOR |
| | RX853 | QRD161J-103 | CARBON RESISTOR |
| | RX854 | QRD161J-103 | CARBON RESISTOR |
| | RX855 | QRD161J-103 | CARBON RESISTOR |
| | RX856 | QRD161J-562 | CARBON RESISTOR |
| | RX857 | QRD161J-392 | CARBON RESISTOR |
| | RX858 | QRD161J-104 | CARBON RESISTOR |
| | RX859 | QRD161J-682 | CARBON RESISTOR |
| | RX860 | QRD161J-154 | CARBON RESISTOR |
| | RX861 | QRD161J-103 | CARBON RESISTOR |
| | RX863 | QRD161J-223 | CARBON RESISTOR |
| | RX864 | QRD161J-223 | CARBON RESISTOR |
| | RX865 | QRD161J-103 | CARBON RESISTOR |
| | RX866 | QRD161J-334 | CARBON RESISTOR |
| | S 601 | QSP4H11-V14Z | TACT SWITCH |
| | S 602 | QSP4H11-V14Z | TACT SWITCH |
| | S 603 | QSP4H11-V14Z | TACT SWITCH |
| | S 606 | QSS1A13-V05 | SLIDE SWITCH |
| | S 607 | QSP4H11-V14Z | TACT SWITCH |
| | S 608 | QSP4H11-V14Z | TACT SWITCH |
| | S 609 | QSP4H11-V14Z | TACT SWITCH |
| | S 610 | QSP4H11-V14Z | TACT SWITCH |
| | S 612 | QSS1A23-V05 | SLIDE SWITCH |
| | S 613 | QSS1A13-V05 | SLIDE SWITCH |
| | S 614 | QSP4H11-V14Z | TACT SWITCH |
| | S 615 | QSP4H11-V14Z | TACT SWITCH |
| | S 616 | QSP4H11-V14Z | TACT SWITCH |
| | S 617 | QSP4H11-V14Z | TACT SWITCH |
| | S 618 | QSP4H11-V14Z | TACT SWITCH |
| | S 619 | QSP4H11-V14Z | TACT SWITCH |
| | S 620 | QSP4H11-V14Z | TACT SWITCH |
| | S 621 | QSP4H11-V14Z | TACT SWITCH |
| | S 622 | QSP4H11-V14Z | TACT SWITCH |
| | S 633 | VSH1140-003 | LEAF SWITCH |
| | S 634 | VSH1140-003 | LEAF SWITCH |
| | S 635 | VSH1140-003 | LEAF SWITCH |
| | S 636 | VSH1140-003 | LEAF SWITCH |
| | S 637 | VSH1140-003 | LEAF SWITCH |
| | S 643 | VSH1140-003 | LEAF SWITCH |
| | S 644 | VSH1140-003 | LEAF SWITCH |
| | S 645 | VSH1140-003 | LEAF SWITCH |
| | S 646 | VSH1140-003 | LEAF SWITCH |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | S 647 | VSH1140-003 | LEAF SWITCH |
| | S 661 | QSP4H11-V14Z | TACT SWITCH |
| | S 662 | QSP4H11-V14Z | TACT SWITCH |
| | S 663 | QSP4H11-V14Z | TACT SWITCH |
| | S 664 | QSP4H11-V14Z | TACT SWITCH |
| | S 901 | QST3101-V12 | PUSH SWITCH |
| | S 902 | QSS2325-119 | SLIDE SWITCH |
| | VR105 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR155 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR205 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR255 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR351 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR371 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR451 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR471 | QVPA603-203A | SEMI.V.RESISTOR |
| | VR601 | QVDB57A-V04M | V RESISTOR |
| | VR602 | QVCA42G-V02M | V RESISTOR |
| | VR603 | QVCA42B-V01M | V RESISTOR |

| ⚠ | REF. | PARTS NO. | PARTS NAME |
|---|---|---|---|
| | CNZ 1 | VMC0075-007N | CONNEC |
| | CZ 1 | QETC1HM-105ZN | E CAPACITOR |
| | CZ 2 | QETC1AM-107ZN | E CAPACITOR |
| | CZ 3 | QETC1CM-226ZN | E CAPACITOR |
| | CZ 4 | QETC1AM-107ZN | E CAPACITOR |
| | DZ 1 | 1SS254 | SI DIODE |
| | DZ 2 | 1SS254 | SI DIODE |
| | DZ 3 | 1SS254 | SI DIODE |
| | DZ 4 | 1SS254 | SI DIODE |
| | ICZ 1 | UPC393C | IC |
| | QZ 1 | DTC124ES | TRANSISTOR |
| | QZ 2 | DTC124ES | TRANSISTOR |
| | QZ 3 | DTC124ES | TRANSISTOR |
| | QZ 4 | DTC124ES | TRANSISTOR |
| | QZ 5 | DTC124ES | TRANSISTOR |
| | QZ 6 | DTA114ES | TRANSISTOR |
| | RZ 1 | QRD161J-562 | CARBON RESISTOR |
| | RZ 2 | QRD161J-101 | CARBON RESISTOR |
| | RZ 3 | QRD161J-432Y | CARBON RESISTOR |
| | RZ 4 | QRD161J-682 | CARBON RESISTOR |
| | RZ 5 | QRD161J-332 | CARBON RESISTOR |
| | RZ 6 | QRD161J-101 | CARBON RESISTOR |
| | RZ 7 | QRD161J-223 | CARBON RESISTOR |
| | RZ 8 | QRD161J-223 | CARBON RESISTOR |


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# 8 Exploded View of Mechanism Component Parts

Fig. 8-1

● **Mechanism Component Parts List**

BLOCK NO. M1MM

| ⚠ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY |
|---|---|---|---|---|---|
| | 2 | VKS3524-00B | HEAD M. ASS'Y | | 1 |
| | 5 | SDST2004Z | SCREW | FOR HEAD MOUNT | 1 |
| | 6 | SDST2005Z | SCREW | FOR HEAD MOUNT | 1 |
| | 7 | VKL6942-00D | HEAD BASE ASS'Y | | 1 |
| | 8 | VKW4994-001 | HEAD SPRING | | 1 |
| | 9 | VKP4221-00A | PINCH R.ASS'Y | FOR REVERSE | 1 |
| | 10 | VKW4982-001 | SPRING | | 1 |
| | 11 | VKW4933-004 | TORSION SPRING | | 1 |
| | 12 | VKS1112-40H | CHASSIS B.ASS'Y | | 1 |
| | 13 | VKW4930-002 | RETURN SPRING | | 1 |
| | 14 | VKS5403-00A | T-UP REEL ASS'Y | LEFT | 1 |
| | 15 | VKW4928-003 | B.T. SPRING | | 1 |
| | | VKW4928-003 | B.T. SPRING | | 1 |
| | 16 | VKL6940-002 | PINCH LEVER (L) | | 1 |
| | 17 | VKS2209-005 | CONTROL CAM | | 1 |
| | 18 | VKF3186-00B | FLYWHEEL(L)ASSY | | 1 |
| | 19 | VKB3001-049 | BELT | | 1 |
| | 20 | VKF3184-00B | FLYWHEEL(R)ASSY | | 1 |
| | 21 | FE-ZMS514 | SHIELD CORE | FOR REEL MOTOR | 1 |
| | 22 | MMN-6F4RA38 | D.C.MOTOR | FOR REEL | 1 |
| | 23 | VKS5331-002 | ACT. GEAR (6) | | 1 |
| | 24 | VKS5330-004 | ACT. GEAR (5) | | 1 |
| | 25 | MXN13FB12F-SA4 | DC MOTOR ASS'Y | FOR ACT.MOTOR -S | 1 |
| | 27 | SDSP2605Z | SCREW | FOR MOTOR | 1 |
| | 28 | VKL6939-002 | PINCH LEVER (R) | | 1 |
| | 29 | VKS5325-00F | FR ARM ASS'Y | | 1 |
| | 30 | VKS5328-002 | GEAR | FOR REEL MOTOR | 1 |
| | 32 | VKS5403-00A | T-UP REEL ASS'Y | RIGHT | 1 |
| | 33 | VKP4219-00A | PINCH R.ASS'Y | FOR FOREARD | 1 |
| | 34 | VKW4981-001 | SPRING | | 1 |
| | 35 | VKW4932-004 | P.R. ARM SP | | 1 |
| | 36 | VKZ4035-009 | WASHER | FOR OIL CUT | 1 |
| | 37 | Q03093-527 | WASHER | FOR OIL CUT | 1 |
| | 41 | SDSF2608Z | SCREW | | 1 |
| | 42 | VKS5327-003 | THRUST PLATE | | 1 |
| | 45 | VKM3507-001 | FM BKT | | 1 |
| | 47 | SDSF2605Z | SCREW | FOR FM BRACKET | 2 |
| | 48 | MMI6H2LWK-SA5 | MOTOR ASS'Y | FOR CAPSTAN | 1 |
| | 50 | 18511418T | COLLAR SCREW | FOR C.MOTOR | 3 |
| | 51 | 18211266T | MOTOR RUBBER | FOR C.MOTOR | 3 |
| | 54 | VKS3495-00A | CAM SWITCH ASS'Y | | 1 |
| | 55 | VKY4628-002 | PACK SPRING | | 1 |
| | 56 | WNS2000N | WASHER | FOR HEAD MOUNT | 1 |
| | 59 | SPI-328-02 | REFLECTOR | | 1 |
| | 60 | SBSB2606Z | SCREW | | 1 |
| | 61 | VKY4547-001 | MIRROR | | 1 |
| | 62 | VKS3485-002 | HEAD GEAR (1) | | 1 |
| | 63 | VKZ4514-002 | SPECIAL SCREW | | 2 |



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# 9 Exploded View of Enclosure Assembly

Fig. 9-1


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⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

## ● Enclosure Component Parts List

BLOCK NO. M 2 M M

| ⚠ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY |
|---|---|---|---|---|---|
| | 36~38,71 | ZCTDW805J-FBK | FRONT PANEL ASS'Y | C/J ONLY | 1 |
| | " | ZCTDW805K-FBK | " | EXSEPT C/J VERSION | 1 |
| | 53,55~60 | ZCTDW805K-CH-A | CASSETTE HOLDER ASS'Y | DECK A | 1 |
| | 54~60 | ZCTDW805K-CH-B | " | DECK B | 1 |
| | 68,70,79 | ZCTDW805K-CL-A | CASSETTE LID ASS'Y | DECK A | |
| | 69,70,80 | ZCTDW805K-CL-B | CASSETTE LID ASS'Y | DECK B | 1 |
| | 1 | VKL7048-002 | LOCK LEVER L | | 1 |
| | 2 | SDST2605Z | SCREW | POWER EJECT ASS'Y | 2 |
| | 3 | VKW3002-268 | SPRING | LOCK LEVER | 1 |
| | 4 | VSH1143-001 | SWITCH | FOR DOOR SWITCH | 1 |
| | 5 | LPSP2006Z | SCREW | FOR SWITCH | 1 |
| | 6 | VKL7074-001 | SWETCH BRACKET | | 1 |
| | 7 | LPSP2004Z | SCREW | SWITCH BRACKET | 1 |
| | 8 | VKL7053-002 | LOCK LEVER (R) | | 1 |
| | 9 | SDST2605Z | SCREW | POWER EJECT ASS'Y | 2 |
| | 10 | VKW3002-268 | SPRING | LOCK LEVER | 1 |
| | 11 | VSH1142-001 | SWITCH | DOOR SWITCH | 1 |
| | 12 | LPSP2006Z | SCREW | FOR DOOR SWITCH | 1 |
| | 13 | VKL7075-001 | SWITCH BRACKET | | 1 |
| | 14 | LPSP2004Z | SCREW | FOR SWITCH BRACKE | 1 |
| | 15 | VKY4628-002 | PACK SPRING | | 2 |
| | 16 | SDST2605Z | SCREW | WIRE HOLDER | 2 |
| | 17 | VYSA1R4-058 | SPACER | FOR MECHANISM | 2 |
| | 18 | VKZ4001-111 | WIRE HOLDER | | 2 |
| | 19 | VKL1334-002 | CHASSIS BASE | | 1 |
| ⚠ | 20 | VTP57A5-031B | POWER TRANS | C/J VERSION | 1 |
| ⚠ | | VTP57H5-011B | POWER TRANS | A/E/G VERSION | 1 |
| ⚠ | | VTP57H5-011BBS | POWER TRANS | B VERSION | 1 |
| | 21 | GBST3006Z | SCREW | FOR POWER TRANS | 3 |
| | 22 | VJC2415-002 | REAR PANEL | | 1 |
| | | VJC2415-003 | REAR PANEL | A/B/E/G VERSION | 1 |
| ⚠ | 23 | QMP1900-200 | POWER CORD | FOR C/J VERSION | 1 |
| ⚠ | | QMP2560-200 | POWER CORD | FOR A VERSION | 1 |
| ⚠ | | QMP3900-200 | POWER CORD | FOR E/G VERSION | 1 |
| ⚠ | | QMP9017-008BS | POWER CORD | FOR B VERSION | 1 |
| ⚠ | 24 | QHS3771-108 | CORD STOPPER | | 1 |
| ⚠ | | QHS3771-108BS | CORD STOPPER | FOR B VERSION | 1 |
| | 25 | VKS5011-001 | VOLTAGE CONTACT | FOR A/B/E/G VERSI | 1 |
| | 26 | SBSF3008M | SCREW | A/B/E/G VERSION | 2 |
| | 27 | SBSF3008M | SCREW | FOR HEAT SINK | 2 |
| | 28 | SBSF3008M | SCREW | PIN JACK | 1 |
| | 29 | SBSF3008M | SCREW | FOR DCS JACK | 1 |
| | 30 | SBST3006M | SCREW | FOR REAR+CHASSIS | 3 |
| | 31 | GBST3006Z | SCREW | FOR MAIN P.C.BOAR | 5 |
| ⚠ | 32 | QMF51A2-R80 | FUSE | F901/F902 A/E/G | 2 |
| ⚠ | | QMF51E2-R80BS | FUSE | F901/F902 B VERSI | 2 |
| | 36 | VJC1994-001 | FRONT PANEL | | 1 |
| | | VJC1994-002UL | FRONT PANEL | C/J VERSION | 1 |
| | 37 | E72968-001 | JVC MARK | | 1 |
| | 38 | VJD4024-001 | REFLECTION PLAT | | 2 |
| | 39 | SSSF3012Z | SCREW | FOR MECHANISM | 4 |



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| ⚠ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY |
|---|---|---|---|---|---|
| | 40 | SBST3006M | SCREW | FOR FRONT PANEL | 3 |
| | 41 | SBSF2608Z | SCREW | FOR POWER SWITCH | 2 |
| | 42 | VXP3431-001 | MECHA BUTTON | FOR A-MECHANISM | 1 |
| | 43 | VXP3431-002 | MECHA BUTTON | FOR B-MECHANISM | 1 |
| | 44 | VXP5039-001 | PUSH BUTTON | FOR REC/PAUSE DEC | 1 |
| | 45 | VXP5039-002 | PUSH BUTTON | FOR REC/PAUSE DEC | 1 |
| | 46 | VXP5040-001 | PUSH BUTTON | FOR SYNCHRO DUBBI | 1 |
| | 47 | VXP5041-001 | PUSH BUTTON | FOR DISPLAY MODE | 1 |
| | 48 | SBSF2608Z | SCREW | MECHA.SWITCH BOAR | 10 |
| | 49 | SBSF2608Z | SCREW | FOR DISPLAY BOARD | 5 |
| | 50 | VKM3501-002 | MECHA BRACKET | | 2 |
| | 51 | SBST3006Z | SCREW | M.BRACKET+F.PANEL | 6 |
| | 52 | SSST3010Z | SCREW | MECHANISM ASS'Y | 4 |
| | 53 | VJT2271-001 | CASSETTE HOLDER | FOR DECK-A | 1 |
| | 54 | VJT2271-002 | CASSETTE HOLDER | FOR DECK-B | 1 |
| | 55 | VKY4180-001 | CASSETTE SPRING | | 4 |
| | 56 | VJT3314-003 | C. STABILIZER | | 2 |
| | 57 | VJD5341-001 | PAD | FOR STABILIZER | 6 |
| | 58 | VKY4638-001 | SPRING | FOR STABILIZER | 2 |
| | 59 | SBSF2608Z | SCREW | FOR STABILIZER | 4 |
| | 60 | VKZ4643-002 | PROTECT SPRING | FOR DOOR | 2 |
| | 61 | E305654-004 | DAMPER ASS'Y | | 2 |
| | 62 | SBSF3010Z | SCREW | FOR DAMPER | 2 |
| | 63 | VYH7424-001 | LOCK PLATE | FOR DOOR LOCK | 2 |
| | 64 | VKL7026-002 | JACK BRACKET | FOR H.PHONE | 1 |
| | 65 | VKL6752-001 | SNAP PLATE | | 2 |
| | 66 | VXL4380-001 | KNOB | BALANCE/ BIAS | 2 |
| | 67 | VXP5042-001 | PUSH BUTTON | FOR POWER | 1 |
| | 68 | VJT2272-001 | CASSETTE LID | FOR DECK-A | 1 |
| | 69 | VJT2272-002 | CASSETTE LID | FOR DECK-B | 1 |
| | 70 | VJD5385-001 | LID PLATE | | 2 |
| | 71 | VJK3557-002 | FINDER | | 1 |
| | 72 | VXL4381-001 | KNOB | INPUT VOLUME | 1 |
| | 73 | VXS4377-001 | SLIDE NOB | TIMER/DOLBY NR/RE | 3 |
| | 74 | VJC1980-002 | TOP COVER | | 1 |
| | 75 | VKZ4614-001 | SPECIAL SCREW | FOR TOP COVER | 4 |
| | 76 | SBST3008M | TH.TAP.SCREW | FOR TOP COVER | 2 |
| | 77 | VJF4039-00C | FOOT ASS'Y | | 4 |
| | 78 | SBST3008Z | SCREW | FOR FRONT ASS'Y | 4 |
| | 79 | SDK1056-001 | FEATURE STECKER | | 1 |
| | 80 | SDK1056-002 | FEATURE STECKER | | 1 |
| | 81 | VYN2292-002PA | NAME PLATE | A/B VERSION | 1 |
| | | VYN2292-002PA | NAME PLATE | B VERSION | 1 |
| | | VYN2292-002PA | NAME PLATE | G VERSION | 1 |
| | | VYN2292-004PA | NAME PLATE | C VERSION | 1 |
| | | VYN2292-005PA | NAME PLATE | E VERSION | 1 |
| | | VYN2292-006PA | NAME PLATE | J VERSION | 1 |
| | 84 | VND4205-004 | CAUTION LABEL | B VERSION | 1 |
| | 85 | QZL1007-001 | BEAB LABEL | B VERSION | 1 |


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| ⚠ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY |
|---|---|---|---|---|---|
| | 86 | T44362-001 | CSA LABEL | C VERSION | 1 |
| | 88 | VND4037-002 | F MARK | G VERSION | 1 |
| | 89 | VMH4011-003 | HEAT SINK | | 1 |
| | 90 | DPSP3008Z | SCREW | | 2 |
| | 91 | LPSP3008Z | SCREW | | 1 |
| | 92 | VYH3673-001 | FL HOLDER | | 1 |
| | 93 | FD-ZSK358 | SHIELD CORE | FOR MOTOR | 1 |
| | 94 | VMA4142-001 | SHIELD PLATE(B) | | 1 |
| | 95 | VMA4517-001 | SHILELD CASE | | 1 |
| | 96 | VYSH106-030 | SPACER | FOR TOP COVER | 1 |
| | 97 | VYH7601-001 | NYLON RIVET | FOR TOP COVER | 2 |
| | 98 | VYH7602-001 | ANCHOR CLIP | FOR MAIN BOARD | 1 |
| | 99 | VYSR105-013 | SPACER | FOR CHASSIS | 1 |
| | 100 | GBST3006Z | SCREW | FOR SUB BOARD | 1 |
| | 111 | VKL7050-00A | GEAR BASE R ASY | | 1 |
| | 112 | MXN13FB12F-SA4 | DC MOTOR ASS'Y | | 1 |
| | 113 | LPSP3005Z | SCREW | | 2 |
| | 114 | VKR4677-002 | IDLER GEAR | | 1 |
| | 115 | REE2000 | E.RING | | 1 |
| | 116 | VKB3000-122 | BELT | | 1 |
| | 117 | VKL7051-00B | LEVER R ASS,Y | | 1 |
| | 118 | VKW4950-002 | T.SPRING L | | 1 |
| | 119 | VKL7054-002 | SW. BRACKET R | | 1 |
| | 120 | VSH1166-001 | LEAF SW | | 1 |
| | 121 | SPSH1760M | MINI SCREW | | 1 |
| | 122 | LPSP2004Z | SCREW | | 1 |
| | 123 | VKR3176-001 | CAM GEAR R | | 1 |
| | 124 | REE2500 | E.RING | | 1 |
| | 125 | WFM316013 | WASHER | | 1 |
| | 131 | VKL7045-00A | GEAR BASE ASS'Y | | 1 |
| | 132 | MXN13FB12F-SA4 | DC MOTOR ASS'Y | | 1 |
| | 133 | LPSP3005Z | SCREW | | 2 |
| | 134 | VKR4677-002 | IDLER GEAR | | 1 |
| | 135 | REE2000 | E.RING | | 1 |
| | 136 | VKB3000-122 | BELT | | 1 |
| | 137 | VKL7046-00B | LEVER L ASS,Y | | 1 |
| | 138 | VKW4952-002 | T. SPRING R | | 1 |
| | 139 | VKL7049-002 | SW BRACKET L | | 1 |
| | 140 | VSH1166-001 | LEAF SW | | 1 |
| | 141 | SPSH1760M | MINI SCREW | | 1 |
| | 142 | LPSP2004Z | SCREW | | 1 |
| | 143 | VKR3175-001 | CAM GEAR L | | 1 |
| | 144 | REE2500 | E.RING | | 1 |
| | 145 | WFM316013 | WASHER | | 1 |



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# 10 Packing

Fig. 10-1

## ● Packing Parts List

BLOCK NO. M 3 M M

| ⚠ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY |
|---|---|---|---|---|---|
| | A 1 | VMP0039-00D | PIN CORD | | 1 |
| | A 2 | VNN2292-661 | INST BOOK | | 1 |
| | A 3 | BT-20025K | WARRANTY CARD | C VERSION | 1 |
| | | BT-20044G | SAFETY GUIDE | J VERSION | 1 |
| | | BT-20047E | WARRANTY CARD | J VERSION | 1 |
| | | BT-20060 | WARRANTY CARD | B VERSION | 1 |
| | | BT-20066A | WARRANTY CARD | B VERSION | 1 |
| | | BT-20117 | WARRANTY CARD | G VERSION | 1 |
| | | BT-20122 | WARRANTY CARD | A VERSION | 1 |
| | | BT-20122-1 | WARRANTY CARD | A VERSION | 1 |
| | A 4 | EWP805-001E | REMOTE WIRE | | 1 |
| | A 5 | E43486-340A | SAFETY I.SHEET | B VERSION | 1 |
| | A 6 | TCN-3379 | TAPE PAMPHLET | B/E/G VERSION | 1 |
| | | TCP-3428 | TAPE PAMPHLET | A VERSION | 1 |
| | | TCU-3492 | TAPE PAMPHLET | C/J VERSION | 1 |
| | A 7 | BT-20108A | SERVICE NETWERK | J VERSION | 1 |
| | A 9 | BT-20071A | JVC CENTER LIST | C VERSION | 1 |
| | P 1 | VPC2292-002 | CARTON | | 1 |
| | P 2 | VPH2412-001 | CUSHION (L) | | 1 |
| | P 3 | VPH2413-001 | CUSHION (R) | | 1 |
| | P 4 | E300196-031B | ENVELOPE | FOR UNIT | 1 |
| | P 5 | VPE3005-007 | POLY BAG | FOR INSTRUCTIONS | 1 |
| | P 6 | VND3044-001 | SIRIAL TICKET | A VERSION | 1 |
| | | VND3044-002 | SERIAL TICKET | J VERSION | 2 |
| | | VND3044-003 | SERIAL TICKET | E VERSION | 1 |
| | | VND3044-004 | SIRIAL TICKET | B VERSION | 1 |
| | | VND3044-005 | SIRIAL TICKET | G VERSION | 1 |
| | | VND3044-006 | SERIAL TICKET | C VERSION | 2 |
| | P 7 | E66416-003 | ENVELOPE | J VERSION | 1 |
| | P 8 | Q04141H | WIRE CLAMP | FOR POWER CORD | 1 |
| | P 9 | VPK3001-012 | SHEET | | 1 |
| | P 11 | VND3065-024 | UPC CODE LABEL | C/J VERSION | 1 |
| | | VND3069-019 | EAN CODE LABEL | A/B/E/G VERSION | 1 |

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JVC
VICTOR COMPANY OF JAPAN, LIMITED.
PERSONAL AUDIO PRODUCTS DIVISON 10-1, 1-chome, Ohwatari-cho, Maebashi-city 371, Japan

Published in Heiloo, Holland.
printed i
—H0306