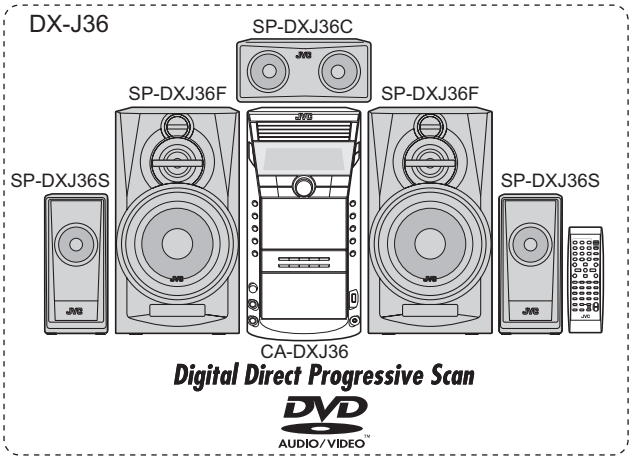
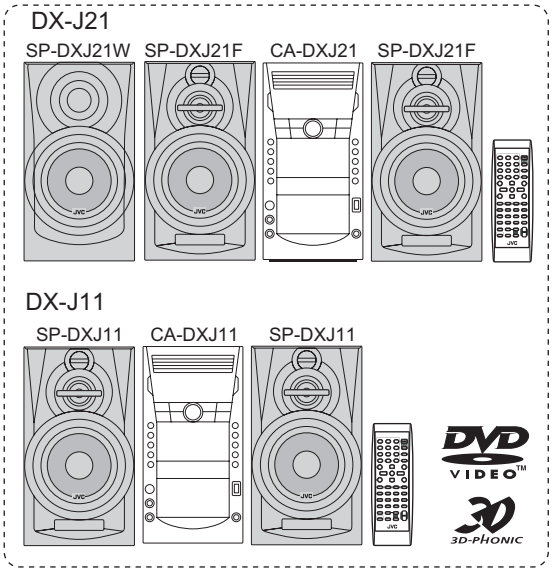
JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

DX-J36UN, DX-J36EE, DX-J36UX, DX-J36UG, DX-J36US, DX-J36UW, DX-J21UN, DX-J21J, DX-J21EE, DX-J21A, DX-J21UW, DX-J21UX,DX-J21UG, DX-J11UN, DX-J11EE, DX-J11UW, DX-J11UX, DX-J11UG, DX-J11UH, DX-J11US





Digital Surround ULTRA PLAYBACK MPEG-4 ASF PLAYBACK ACTIVE BASS EXTENSION VariBASS KARAOKE SCORING MP3/WMA/WAV

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

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No.MB666<Rev.005>
2009/2

SPECIFICATION

DX-J21/DX-J11

Amplifier section			
Output Power	FRONT SPEAKERS	(DX-J21)120 W per channel min. RMS driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.	
		(DX-J11)125 W per channel min. RMS driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.	
	SUBWOOFERS	(DX-J21)120 W min. RMS driven into 6Ω at 63 Hz with no more than 10% total harmonic distortion.	
Digital output	OPTICAL DIGITAL OUTPUT	-21 dBm to -15 dBm (660 nm ±30 nm)	
Digital input	USB MEMORY		
Audio input sensitivity/Impedance		Measured at 1 kHz with tape recording signal 300 mV	
AUX	400 mV/47 kΩ		
MIC1/2	3.0 mV/50 kΩ		
VIDEO OUT	Color system	NTSC/PAL	
VIDEO (composite)	S-VIDEO	Y (luminance)	1 V(p-p)/75 Ω
		C (chrominance, burst)	1 V(p-p)/75 Ω
		NTSC	0.286 V(p-p)/75Ω
		PAL	0.3 V(p-p)/75Ω
Speaker Terminals	6Ω - 16 Ω (front speakers/subwoofers)		
Tuner section			
FM tuning range	87.50 MHz - 108.00 MHz		
AM (MW) tuning range	531 kHz - 1 710 kHz (at 9 kHz)		
	530 kHz - 1 710 kHz (at 10 kHz)		
For Saudi Arabia	531 kHz - 1 602 kHz (at 9 kHz)		
	530 kHz - 1 600 kHz (at 10 kHz)		
For Russia	522 Khz - 1 629Khz		
Disc/File player section			
Region codes	Middle East	2	
	South East Asia	3	
	Central and South America, Australia	4	
Playable disc	DVD Video/CD/VCD/SVCD/CD-R/CD-RW (MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
	DVD-R/-RW (DVD-VR/DVD-video/MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
	DVD-ROM (DVD-video/MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
Playable file	MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format		
Dynamic range	80 dB		
Horizontal resolution	500 lines		
Wow and flutter	Immeasurable		
USB storage section			
USB specification	Compatible with USB 2.0 Full Speed		
Compatible device	Mass storage class		
Compatible file system	FAT 16, FAT 32		
Bus power supply	5 V/500 mA		
Cassette deck section			
Frequency response Normal (type I)		50 Hz - 14 000 Hz	
Wow and flutter	0.15% (WRMS)		
General			
Power requirement	AC 110 V / AC 127 V / AC 220 V / AC 230 V ～ AC 240 V ～ (adjustable with the voltage selector) 50 Hz / 60 Hz		
For Australia	AC 240 V ～ , 50 Hz		
For Russia	AC 230 V ～ , 50 Hz		
Power consumption	DX-J11UN	95 W (at operation) / 15 W (on standby)	
	DX-J21UN	140 W (at operation) / 16 W (on standby	
Dimensions(W/H/D) (approx.)	185 mm x 370 mm x 372 mm		
Mass (approx.)	DX-J11UN	8.9 kg	
	DX-J21UN	9.3 kg	

Design and specifications are subject to change without notice.

DX-J36

Amplifier section			
Output Power	FRONT SPEAKERS	125 W per channel min. RMS driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.	
	SURROUND SPEAKERS	50 W per channel min. RMS driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.	
	CENTER SPEAKER	50 W min. RMS driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.	
Audio output	SUBWOOFER OUT		
Digital input	USB memory		
Audio input sensitivity/Impedance		Measured at 1 kHz with tape recording signal 300 mV	
AUX	400 mV/47 kΩ		
MIC1/2	3.0 mV/50 kΩ		
VIDEO OUT	Color system	NTSC/NTSC PROG/PAL/PAL PROG	
VIDEO (composite)	S-VIDEO	Y (luminance)	1 V(p-p)/75Ω
		C (chrominance, burst)	1 V(p-p)/75Ω
		NTSC	0.286 V(p-p)/75Ω
		PAL	0.3 V(p-p)/75Ω
	COMPONENT (Interlace/Progressive)	(Y)	1 V(p-p)/75Ω
		(PB/PR)	0.7 V(p-p)/75Ω
Speaker Terminals	6Ω - 16 Ω (front/surround/center)		
Tuner section			
FM tuning range	87.50 MHz - 108.00 MHz		
AM (MW) tuning range	531 kHz - 1 710 kHz (at 9 kHz)		
	530 kHz - 1 710 kHz (at 10 kHz)		
For Saudi Arabia	531 kHz - 1 602 kHz (at 9 kHz)		
	530 kHz - 1 600 kHz (at 10 kHz)		
For Russia	522 kHz - 1 629 kHz		
Disc/File player section			
Region codes	Middle East	2	
	South East Asia	3	
	Central and south America, Australia	4	
Playable disc	DVD Video/DVD Audio/CD/VCD/SVCDCD-R/CD-RW (CD/VCD/SVCD/MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
	DVD-R/-RW (DVD-VR/DVD-video/MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
	DVD-ROM (DVD-video/MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format)		
Playable file	MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX format		
Dynamic range	80 dB		
Horizontal resolution	500 lines		
Wow and flutter	Immeasurable		
USB storage section			
USB specification	Compatible with USB 2.0 Full-Speed		
Compatible device	Mass storage class		
Compatible file system	FAT 16, FAT 32		
Bus power supply	5 V/500 mA		
Cassette deck section			
Frequency response Normal (type I)		50 Hz - 14 000 Hz	
Wow and flutter	0.15% (WRMS)		
General			
Power requirement	AC 110 V / AC 127 V / AC 220 V / AC 230 V - AC 240 V ～ (adjustable with the voltage selector) 50 Hz / 60 Hz		
For Australian model	AC 240 V ～ , 50 Hz		
For Russia	AC 230 V ～ , 50 Hz		
Power consumption	205 W (at operation) / 21 W (on standby)		
Dimensions (W/H/D) (approx.)	185 mm x 370 mm x 372 mm		
Mass (approx.)	9.5 kg		

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

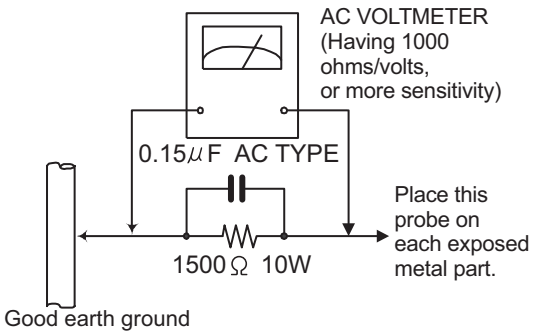
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services 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 manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products 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 shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts 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 reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, 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 parts 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 0.5mA AC (r.m.s.).
- Alternate check method
  Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF 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. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 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.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Preventing static electricity

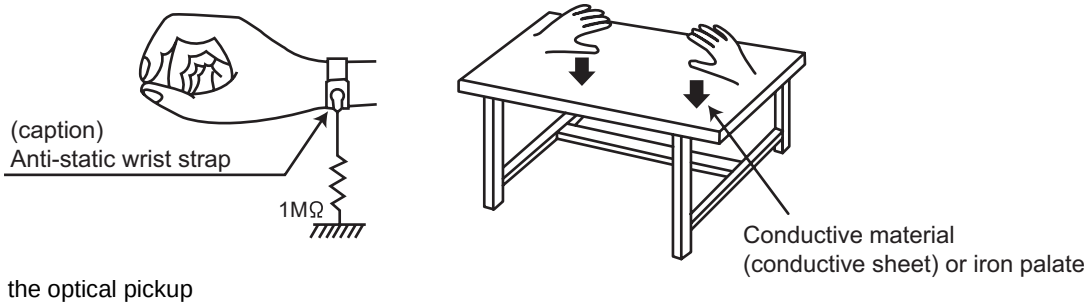
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

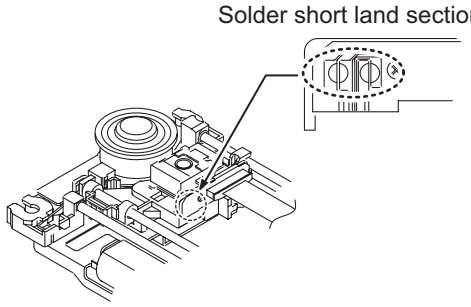
1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.7 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the card wire is disconnected from the connecto on the servo board. (If the card wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the card wire.



1.8 Important for laser products

1.CLASS 1 LASER PRODUCT

2.CAUTION :
(For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.
(Others) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

3.CAUTION : Visible and/or invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

4.CAUTION : This laser product uses visible and/or invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

(For U.S.A.)
CAUTION : Visible and/or invisible class II laser radiation when open. Do not stare into beam.
(Others)
CAUTION : Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments

ACHTUNG: Sichtbare und/oder unsichtbare Laserstrahlung der Klasse 1M bei offenen Abdeckungen. Nicht direkt mit optischen Instrumenten betrachten.

ATTENTION: Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement avec des instruments optiques.

VOORZICHTIG: Zichtbare en/of onzichtbare klasse 1M laserstralen indien geopend. Bekijk niet direct met optische instrumenten.

ATTENZIONE: Radiazione laser in classe 1M visibile e/o invisibile quando aperto. Non osservare direttamente con strumenti ottici.

VARNING: Synlig och/eller osynlig laserstrålning, klass 1M, när denna del är öppnad. Betrakta ej strålen med optiska instrument.

VARO!: Avattaessa olet alttiina nakyvalle ja/tai näkymättömälle luokan 1M lasersateilylle. Älä tarkastele sitä optisen laitteen läpi.

ADVARSEL: Synlig og/eller usynlig klasse 1M-laserstråling ved åbning. Se ikke direkte med optiske instrumenter.

AVISO: Radiación láser de clase 1M visible y/o invisible cuando está abierto. No mirar directamente con instrumental óptico.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe directamente com instrumentos ópticos.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe diretamente com instrumentos óticos.

ПРЕДУПРЕЖДЕНИЕ: В открытом состоянии происходит видимое и/или невидимое излучение лазера класса 1M. Не смотрите непосредственно в оптические инструменты.

UWAGA: Otwarcie spowoduje narażenie na widzialne i/lub niewidzialne promieniowanie lasera klasy 1M. Nie patrzeć bezpośrednio w przyrządy optyczne.

UPOZORNĚNÍ: Při otevření vydává viditelné popř. neviditelné laserové ozáření třídy 1M. Nedívejte se do otvoru přímo s optickými nástroji.

FIGYELMEZTETÉS: Látható és/vagy láthatatlan 1M osztályú sugárzás nyitott állapotban. Ne nézze közvetlenül optikai műszerekkel.

注意：打開蓋板可能會產生可見或不可見的 1M 級鐳射。不要使用光學儀器直接進行窺視。

注意：打开盖板可能会产生可见或不可见的 1M 级镭射。不要使用光学仪器直接进行窥视。

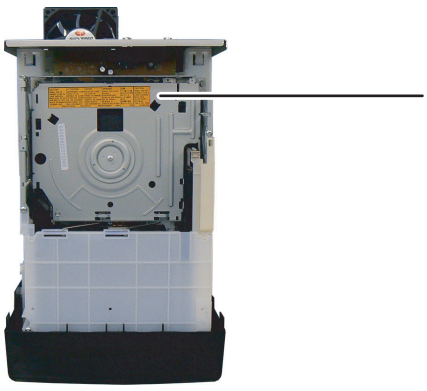
تنبيه: يوجد إشعاع ليزري مرئي و/أو غير مرئي من الفئة 1M عندما يكون الجهاز مفتوحا. تجنب النظر مباشرة داخل الجهاز باستخدام أدوات بصرية.

احتیاط: هنگامی که باز گردد، تشعشع مرئی و یا نامرئی کلاس 1M لیزر وجود دارد. با لوازم چشمی مستقیماً به آن نگاه نکنید.

주의: 개방하면 가시 및/또는 비가시 클래스 1M 레이저 방사선이 나옵니다. 광학 기구로 직접 들여다보지 마십시오.

REPRODUCTION AND POSITION OF LABELS and PRINT

WARNING LABEL and PRINT



CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1M レーザー放射が出ます。光学装置で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body (Used figure are DX-J11)

3.1.1 Removing the Metal cover (See Fig.1, 2)

(1) Remove the four screws **A** attaching the both side of the Metal Cover. (See Fig.1)
(2) Remove the two screws **B** attaching the Rear cover. (See Fig.2)
(3) Remove the seven screws **C** attaching the Metal cover. (See Fig.2)

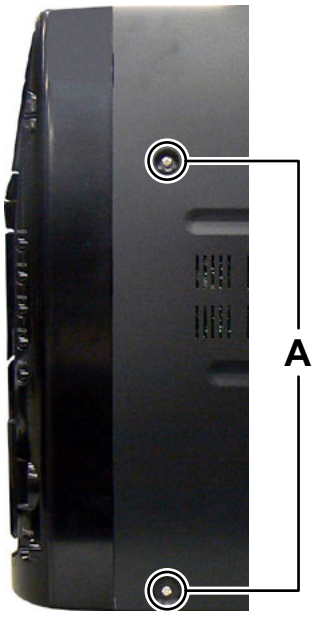


Fig.1

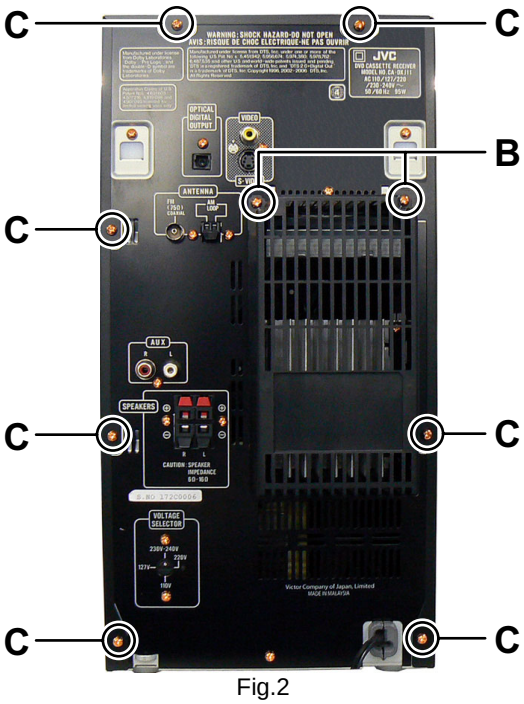


Fig.2

3.1.2 Removing the DVD mechanism (See Fig.3 to 5)

(1) Disconnect the card wire from Micom board connected to connector CN701 and CN801 of the Front end board. (See Fig.3)
(2) Disconnect the card wire from Amp board connected to connector CN702 of the Front end board. (See Fig.3)
(3) Remove the two screws **D** attaching the DVD mechanism. (See Fig.4)
(4) Disconnect the connector wire from USB jack board connected to connector CN811 of the Front end board. (See Fig.5)

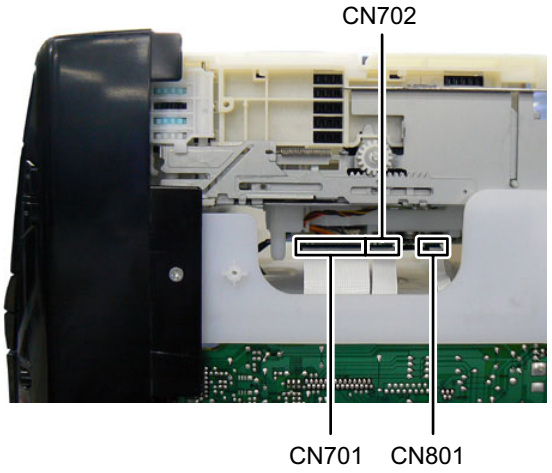


Fig.3

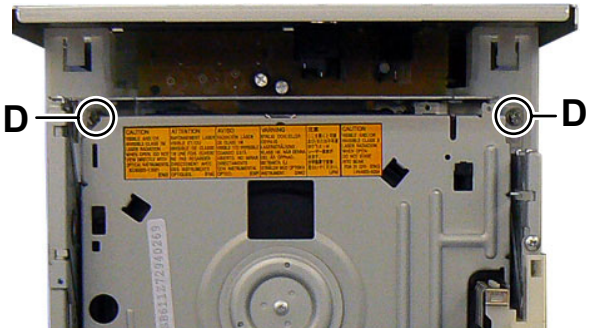


Fig.4

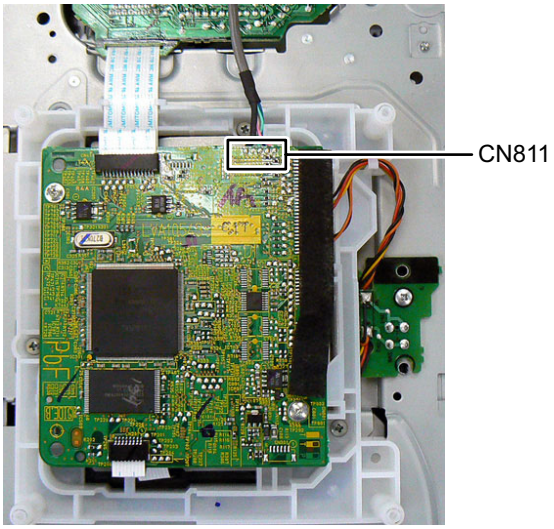


Fig.5

3.1.3 Removing the Video board (See Fig.6, 7)

(1) Disconnect the card wire from Micom board connected to connector CN931 of the Video board. (See Fig.6)
(2) Remove the two screws **E** attaching the Video board. (See Fig.7)

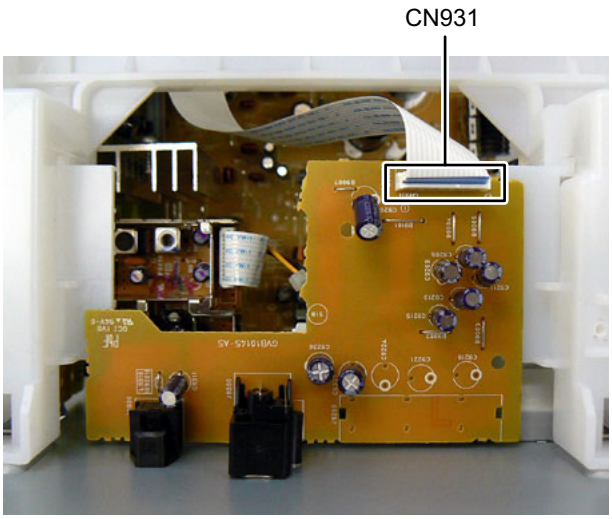


Fig.6

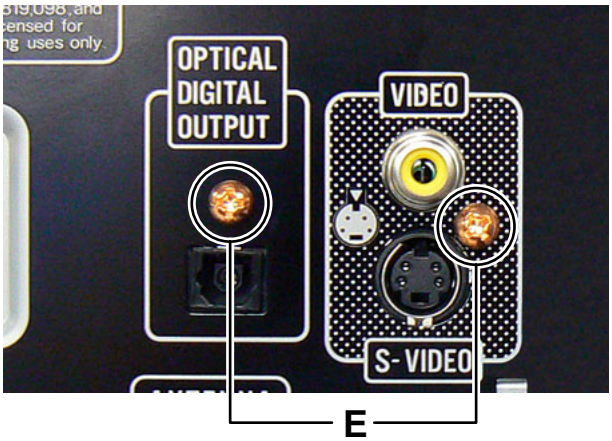


Fig.7

3.1.4 Removing the Mecha chassis (See Fig.8, 9)

(1) Remove the two screws **F** attaching the Mecha chassis. (See Fig.8)
(2) Remove the two screws **G** attaching the both side of the Mecha chassis. (See Fig.9)

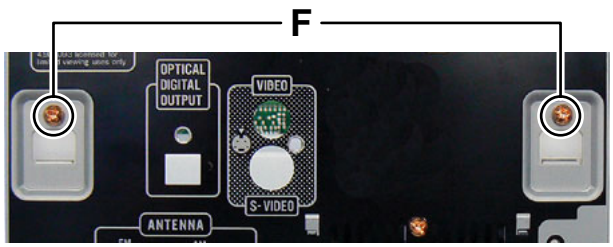


Fig.8

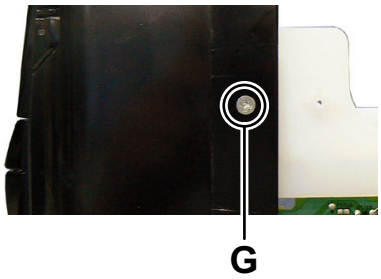


Fig.9

3.1.5 Removing the Fan (See Fig.10, 11)

(1) Disconnect the4 connector wire from Fan connected to connector CN630 of the Micom board. (See Fig.10)
(2) Remove the one screw **H** attaching the Fan. (See Fig.11)

3.1.6 Removing the Tuner pack (See Fig.10, 11)

(1) Disconnect the card wire from Tuner pack connected to connector CN507 of the Micom board. (See Fig.10)
(2) Remove the two screws **J** attaching the Tuner pack. (See Fig.11)

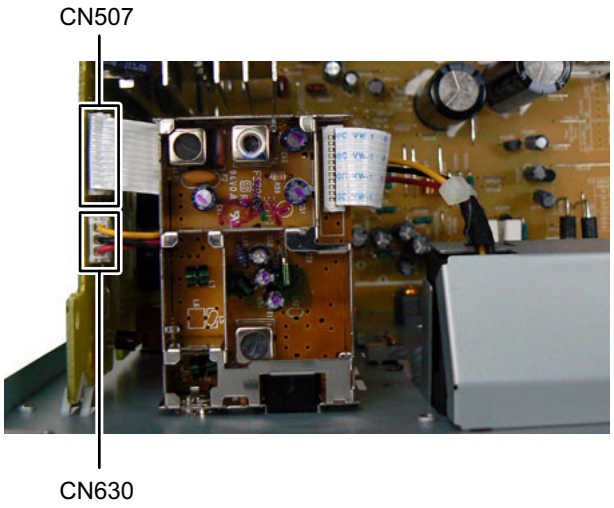


Fig.10

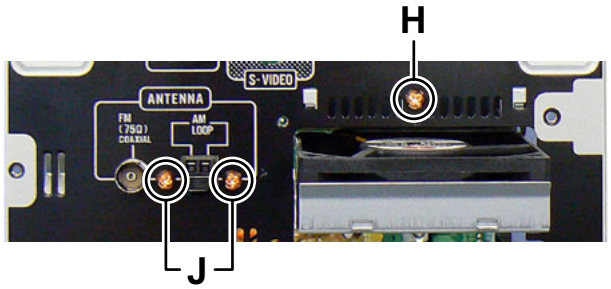


Fig.11

3.1.7 Removing the Rear panel (See Fig.12)

(1) Remove the three screws **K** attaching the Heat sink.
(2) Remove the six screws **L** attaching the Rear panel.

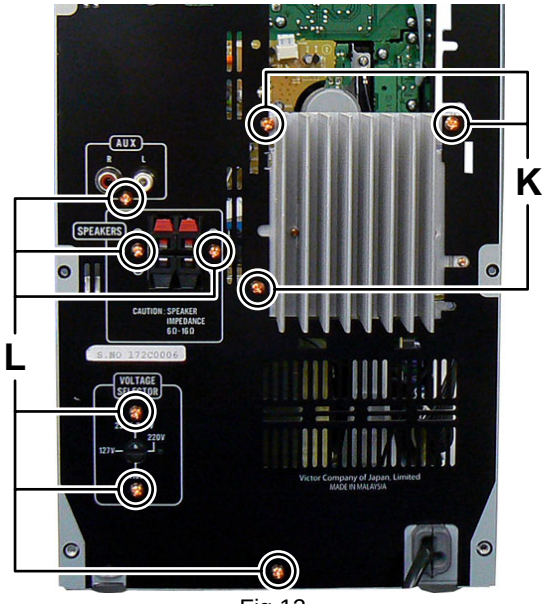


Fig.12

3.1.8 Removing the Amp board (See Fig.13)

(1) Disconnect the Earth wire from Bottom chassis connected to post pin PP701 of the Amp board.
(2) Disconnect the flat cable wire from Micom board connected to connector CN700, CN701 and CN702 of the Amp board.
(3) Disconnect the card wire from Mic board connected to connector CN750 of the Amp board.
(4) Disconnect the card wires from Micom board connected to connectors CN705 and CN706 of the Amp board.
(5) Disconnect the flat cable wire from Headphone jack board connected to connector CN760 of the Amp board.
(6) Remove the one screw **M** attaching the Amp board.

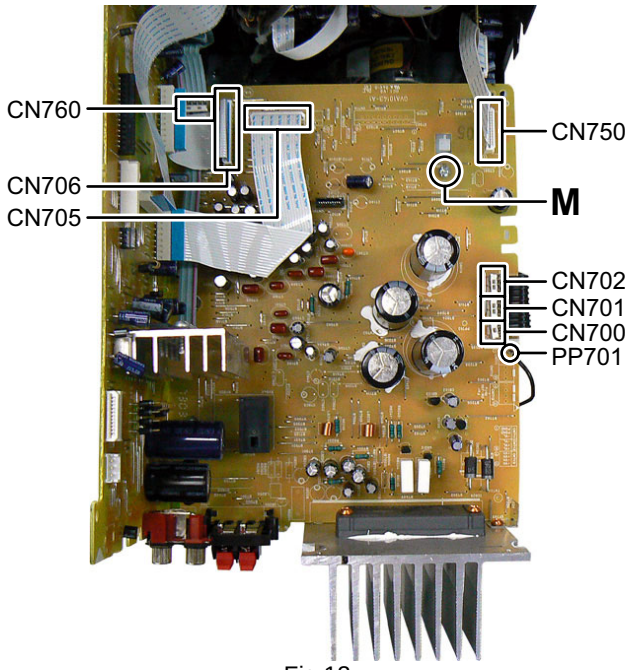


Fig.13

3.1.9 Removing the Micom board (See Fig.14, 15)

(1) Disconnect the card wire from FL board connected to connector CN500 of the Micom board. (See Fig.14)
(2) Disconnect the card wire from Cassette mechanism A connected to connector CN501 of the Micom board. (See Fig.14)
(3) Disconnect the flat cable wire from PLAY button board connected to connector CN430 of the Micom board. (See Fig.14)
(4) Remove the four screws **N** attaching the Power transformer. (See Fig.15)

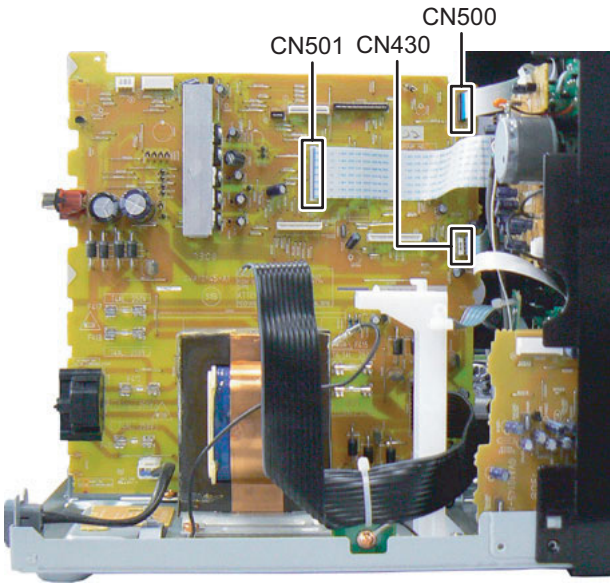


Fig.14

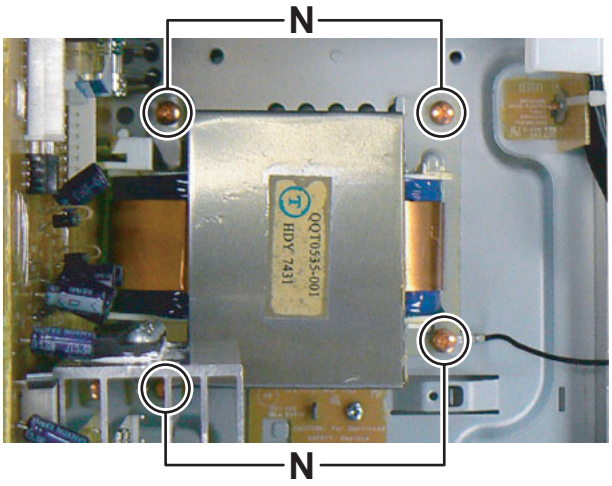


Fig.15

3.1.10 Removing the Front panel (See Fig.16 to 18)

(1) Remove the one screw **P** attaching the Earth wire. (See Fig.16)
(2) Remove the one screw **Q** attaching the Earth wire. (See Fig.17)
(3) Remove the two screws **R** attaching the Front panel. (See Fig.18)
(4) Disengage two hooks **a** engaged both side of the Front panel. (See Fig.17)

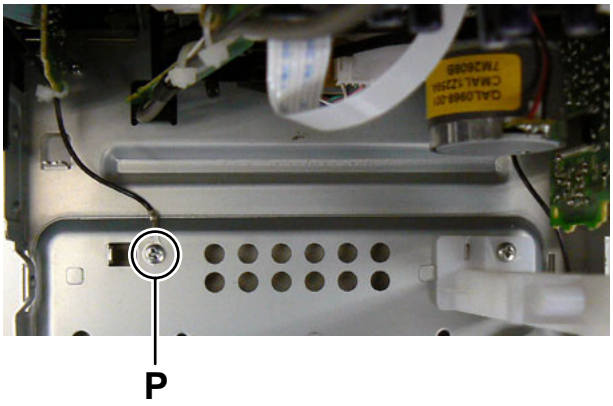


Fig.16

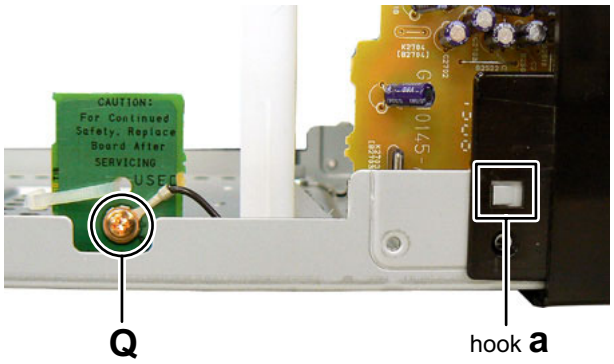


Fig.17

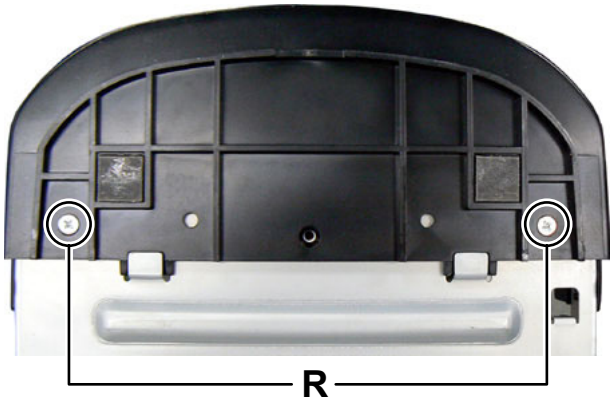


Fig.18

3.1.11 Removing the Cassette mechanism (See Fig.19 to 21)

(1) Disconnect the connector wire from Cassette mechanism B connected to connector CN200 of the Cassette board A. (See Fig.19)
(2) Disconnect the card wire from Cassette mechanism **B** connected to connector CN120 of the Cassette board **A**. (See Fig.19)
(3) Remove the two screws **S** attaching the Cassette mechanism **A**. (See Fig.19)
(4) Remove the two screws **T** attaching the Earth wires. (See Fig.19)
(5) Remove the two screws **U** attaching the Bracket board. (See Fig.20)
(6) Remove the three screws **V** attaching the Cassette mechanism **B**. (See Fig.21)

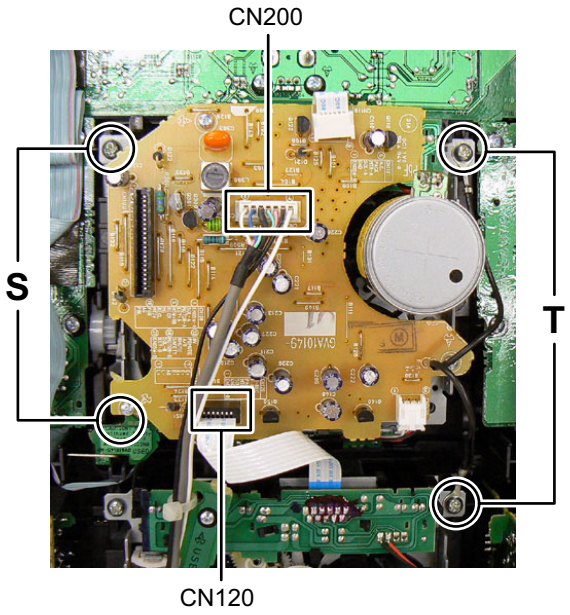


Fig.19

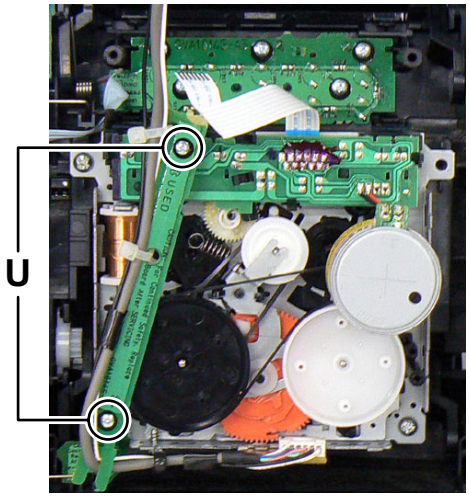


Fig.20

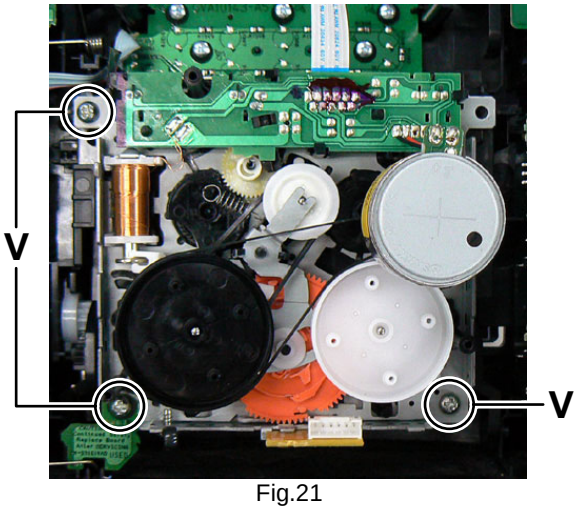


Fig.21

3.1.12 Removing the Mic board (See Fig.22)

(1) Remove the volume knob.
(2) Remove the two screws **W** attaching the Mic board.

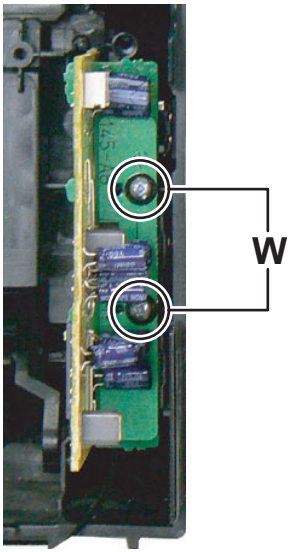


Fig.22

3.1.13 Removing the USB jack board and Headphone jack board (See Fig.23)

(1) Remove the two screws **X** attaching the bracket board.

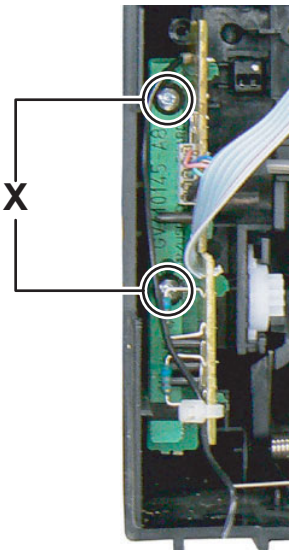


Fig.23

3.1.14 Removing the FL board (See Fig.24)

(1) Remove the Volume knob.
(2) Remove the five screws **Y** attaching the Function board.
(3) Remove the four screws **Z** attaching the PLAY button board.
(4) Remove the five screws **AA** attaching the EJECT button board.
(5) Remove the seven screws **BB** attaching the FL board.

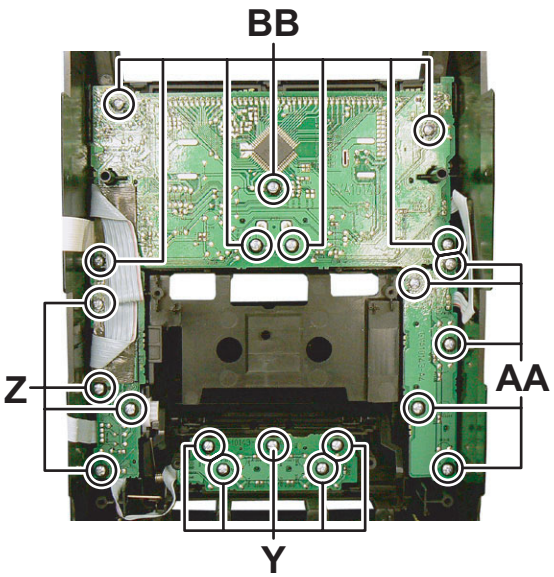


Fig.24

3.2 DVD changer mechanism assembly section

Remove the DVD changer mechanism assembly from the main body. (See "Removing the DVD changer mechanism assembly".)

3.2.1 Removing the tray assemblies (See Figs.1 to 5)

(1) From the top side of the main body, remove the two screws **A** from the top cover and release the two joints **a** on the both sides of the DVD changer mechanism assembly. (See Figs.1 and 2.)
(2) Remove the two rods from the top cover and remove the top cover from the lifter assembly. (See Figs.1 and 2.)
(3) Remove the open det. lever on the left side of the DVD changer mechanism assembly. (See Fig.3.)
(4) From the right side of the DVD changer mechanism assembly, draw out the tray assemblies toward the front while pushing the part **b** of the side (R) assembly. (See Figs.4 and 5.)

Note:
The tray can be locked if all tray assemblies are attached.

(5) From the topside of the DVD changer mechanism assembly, move the stopper tabs **c** in the direction of the arrow and release them. Pull out the tray assemblies from the DVD changer mechanism assembly. (See Fig. 5.)

Note:
Remove the tray assembly from top tray 5 in order.

Reference:
When reattaching the tray assembly, or when removing the disc remaining inside, refer to another section "3.3.15 Taking out the disc in the play mode".

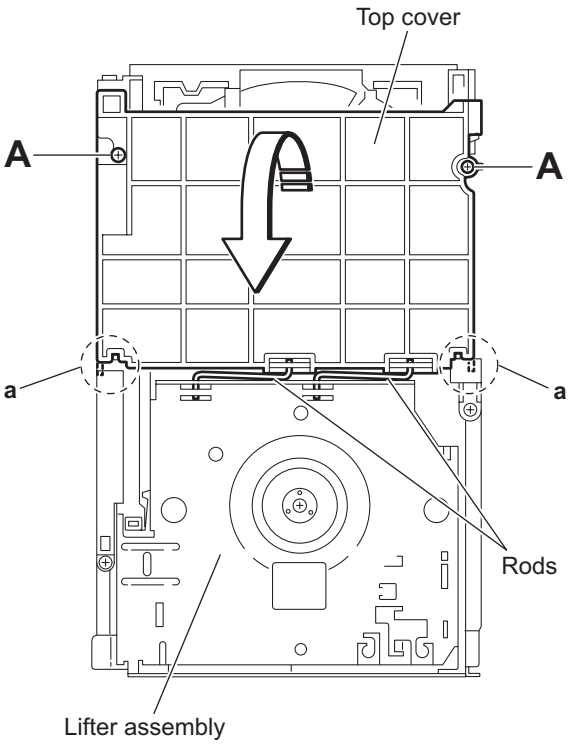


Fig.1

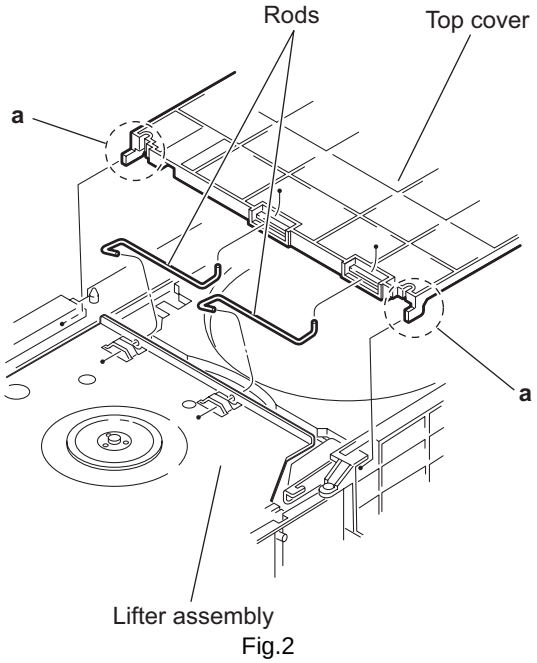


Fig.2

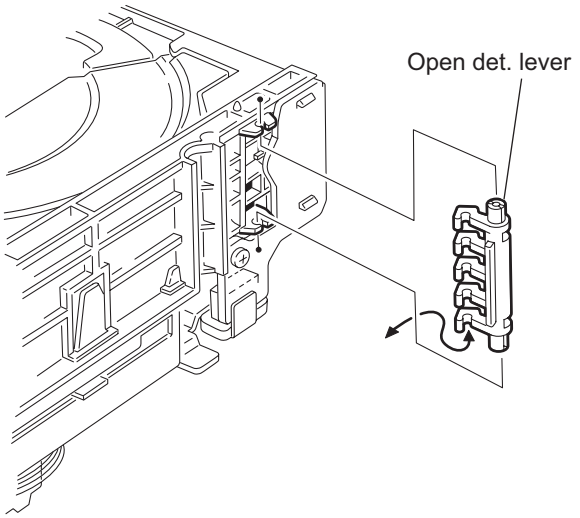


Fig.3

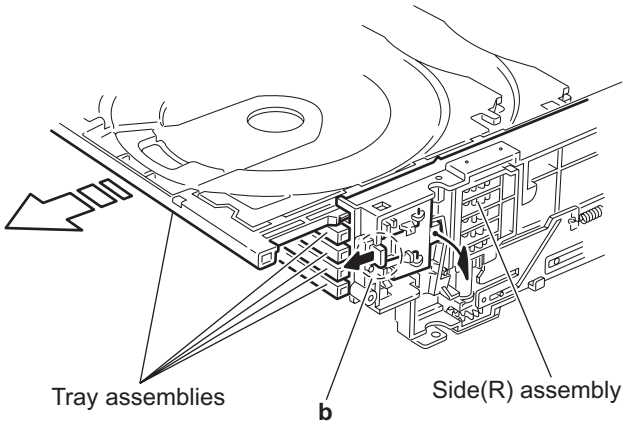


Fig.4

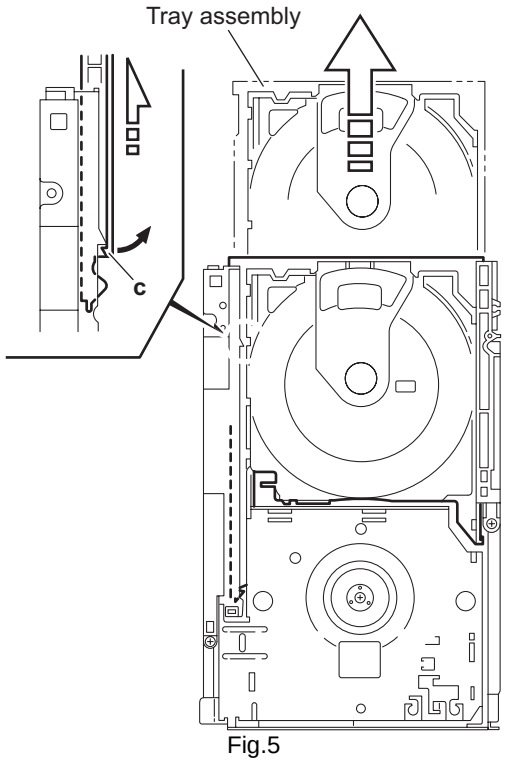


Fig.5

3.2.2 Removing the DVD servo board (See Figs.6 to 8)

Caution:

Solder the short land sections **d** on the DVD pickup before disconnecting the card wire extending from the DVD pickup. If you do not follow this instruction, the DVD pickup may be damaged.

(1) From the topside of the DVD changer mechanism assembly, solder the short land sections **d** on the DVD pick up. (See Fig.6.)

(2) From the bottom side of the DVD changer mechanism assembly, disconnect the card wire from the connectors (CN201, CN451) on the DVD servo board. (See Fig.7.)

Reference:

When connecting the card wire to the connector CN451, pass it through the sections **e** on the DVD traverse mechanism assembly. (See Fig.7.)

(3) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board. (See Fig.7.)

(4) Remove the two screws **B** attaching the DVD servo board. (See Fig.7.)

(5) From the reverse side of the DVD servo board, release the lock of the connector CN101 in the direction of the arrow and disconnect the card wire. (See Fig.8.)

Caution:

Unsolder the solders from the short land sections **d** after reassembling. (See Fig.6.)

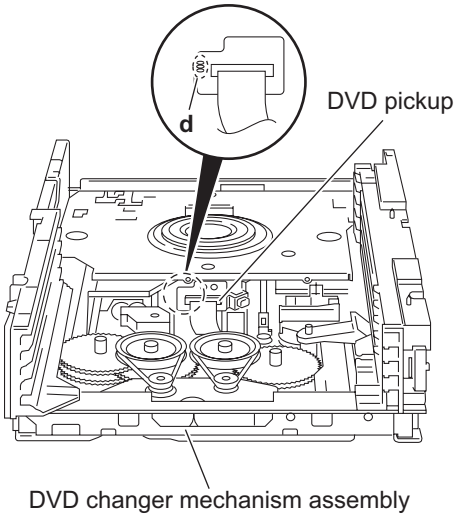


Fig.6

3.2.3 Removing the switch board (See Fig.7)

(1) From the bottom side of the DVD changer mechanism assembly, remove the screw **C** attaching the switch board on the DVD changer mechanism assembly.

(2) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board.

(3) Release the wires from the section **f** and remove the switch board.

(4) Release the wires from the sections **g** and remove the switch board.

Reference:

When reassembling, pass the wires through the sections (**f**, **g**) as before.

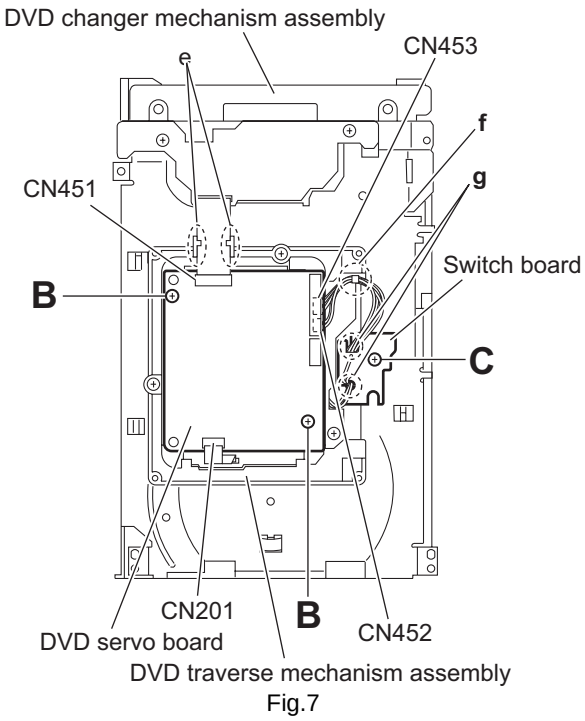


Fig.7

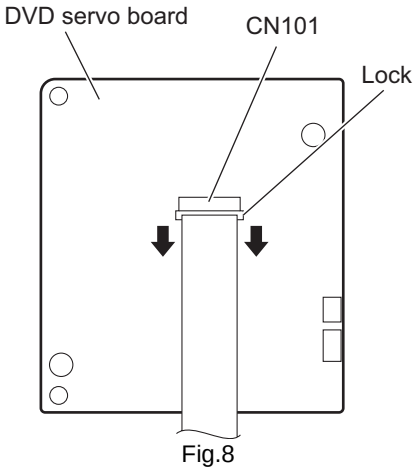


Fig.8

3.2.4 Removing the motor board (See Figs.9 and 10)

(1) From the top side of the DVD changer mechanism assembly, remove the two belts from the motor pulleys. (See Fig.9.)

Note:

Take care not to attach grease on the belt.

(2) Remove the two screws **D** attaching the motors to the loader assembly. (See Fig.9.)

(3) From the bottom side of the DVD changer mechanism assembly, remove the two screws **E**. (See Fig.10.)

(4) Disconnect the connector CN2 on the motor board from the tray switch board and remove the motor board. (See Fig.10.)

(5) Disconnect the card wire from the connector CN1 on the forward side of the motor board. (See Fig.10.)

Note:

When connecting the card wire, let the card wire through the slots **h** of the motor board. (See Fig.10.)

Reference:

You need not to remove the tray assemblies, and in such case, move it.

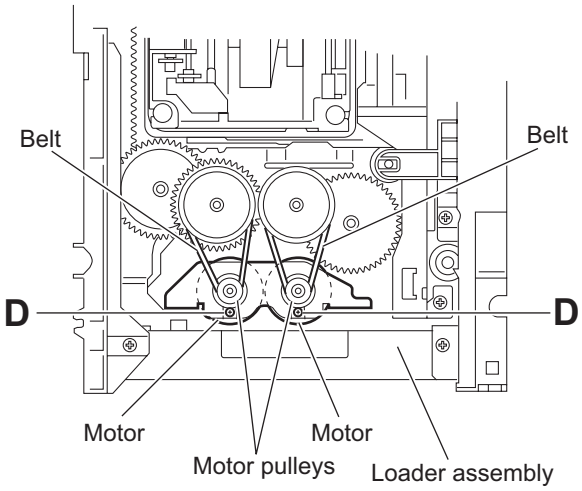


Fig.9

3.2.5 Removing the motor (See Fig. 10)

- Remove the motor board.

(1) From the reverse side of the motor board, unsolder the four soldered sections **i** on the motor board.

(2) From the forward side of the motor board, remove the motors.

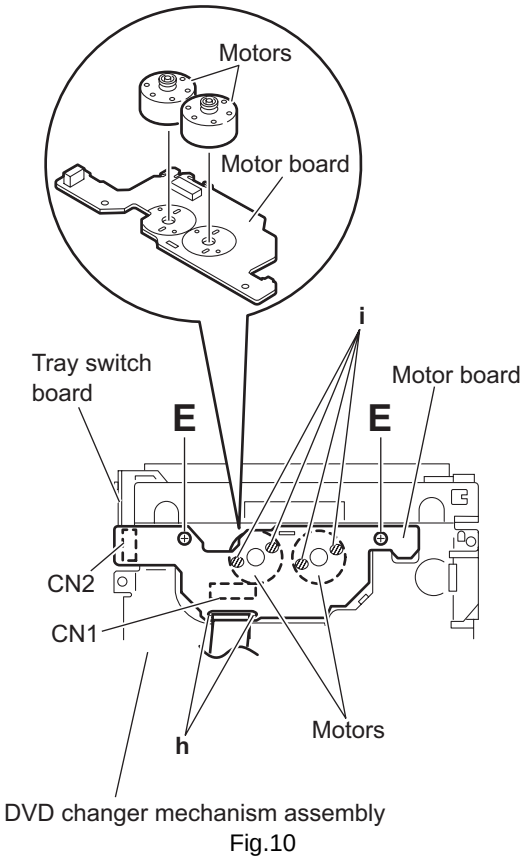


Fig.10

3.2.6 Removing the DVD traverse mechanism assembly (See Fig.11)

- Remove the tray assemblies and DVD servo board.
  (1) From the bottom side of the DVD changer mechanism assembly, remove the three screws **F** attaching the DVD traverse mechanism assembly.
  (2) Remove the wires from the section **j**.
  (3) Take out the DVD traverse mechanism assembly from the DVD changer mechanism assembly.

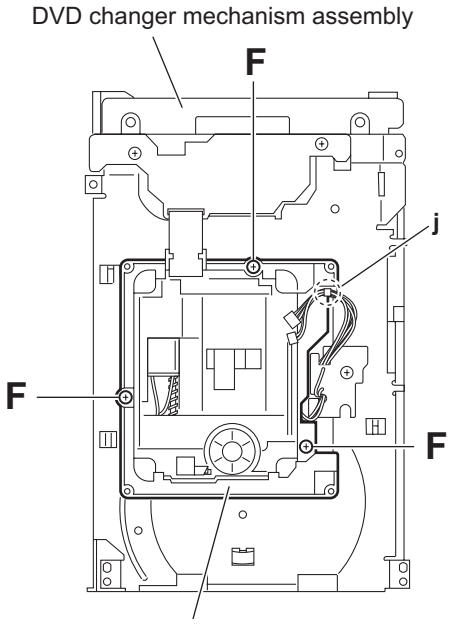


Fig.11

3.2.7 Removing the DVD pickup (See Figs.12 to 14)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, release the lock of the connector on the DVD pickup and disconnect the card wire in the direction of the arrow. (See Fig.12.)
  (2) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.12.)
  (3) Remove the screw **G** attaching the feed bracket and remove the feed bracket from the sections **k**. (See Fig.12.)
  (4) Release the claw **m** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.12.)
  (5) Remove the guide shaft from the sections (**n**, **p**) on the C.TM chassis. (See Fig.13.)
  (6) Remove the section **q** of the DVD pickup. (See Fig.13.)
  (7) Remove the two screws **H** attaching the rack arm spring and rack arm. (See Fig.14.)
  (8) Pull the guide shaft from the DVD pickup in the direction of the arrow. (See Fig.14.)

3.2.8 Attaching the DVD pickup (See Figs.12 to 14)

(1) Attach the guide shaft to the DVD pickup and attach the rack arm spring and rack arm with the screws **H**. (See Fig.14.)
(2) Attach the section **q** of the DVD pickup to the C.TM chassis first and attach the guide shaft to the sections (**n**, **p**). (See Fig.13.)

Reference:

When attaching the guide shaft to the section **p**, attach it under the rod spring. (See Fig.13.)

(3) Attach the thrust spring and feed bracket with the screw **G**. (See Fig.12.)
(4) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.15.)
(5) Connect the card wire to the connector on the DVD pickup. (See Fig.15.)

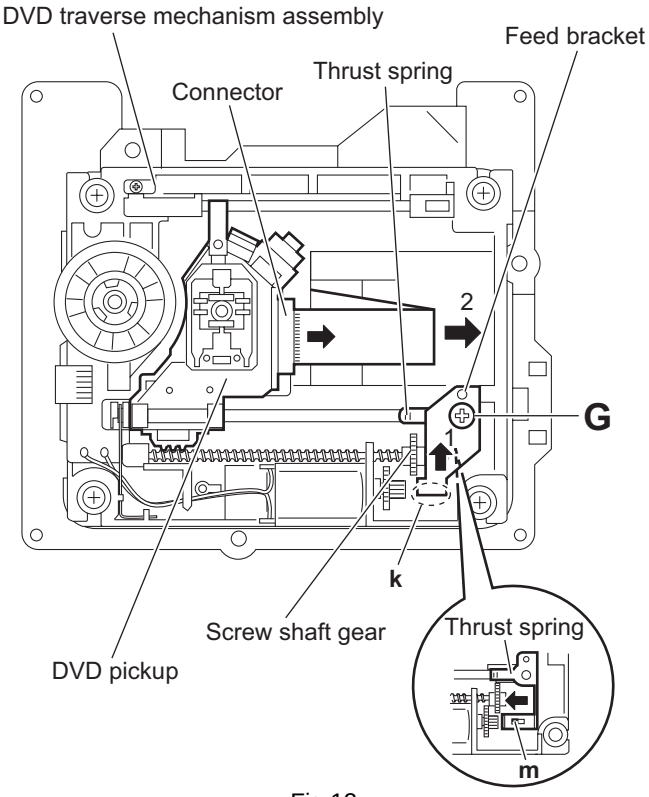


Fig.12

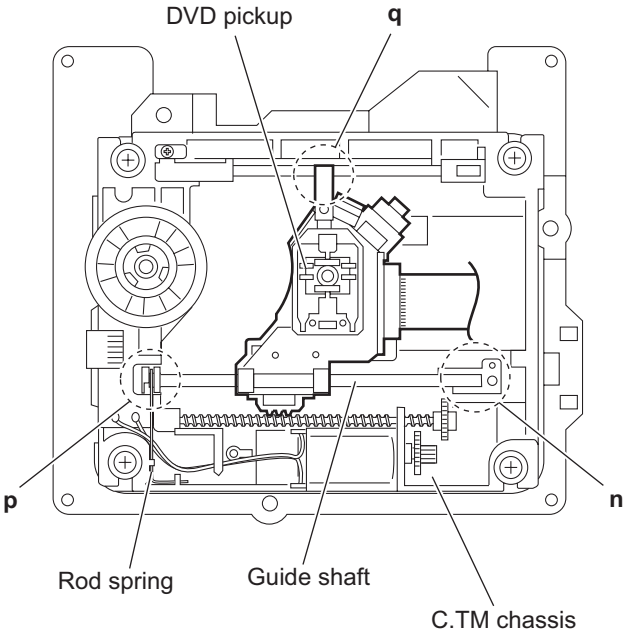


Fig.13

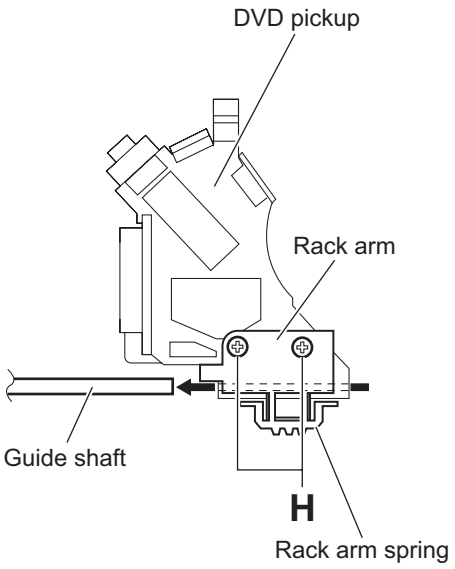

DVD pickup
Rack arm
Guide shaft
H
Rack arm spring

Fig.14

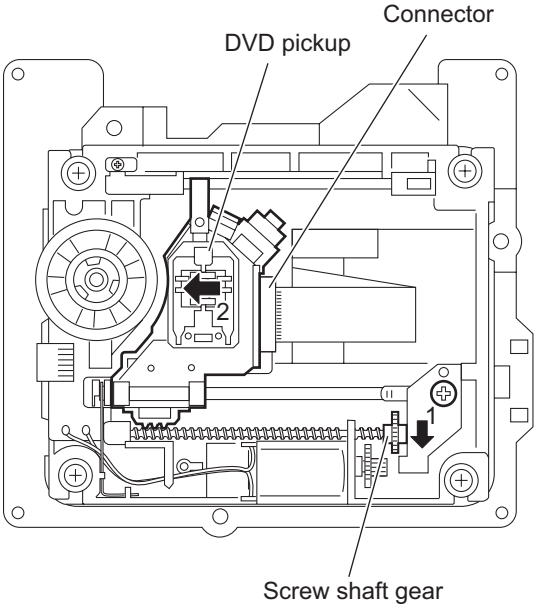

Connector
DVD pickup
2
1
Screw shaft gear

Fig.15

3.2.9 Removing the spindle motor board (See Figs.16 and 17)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, remove the wires from the soldered sections **r** on the spindle motor board. (See Fig.16.)
  (2) From the bottom side of the DVD traverse mechanism assembly, remove the three screws **J** attaching the spindle motor board. (See Fig.17.)

Reference:

When attaching the spindle motor board, let the card wire through the hole **s** on the C.TM chassis. (See Fig.17.)

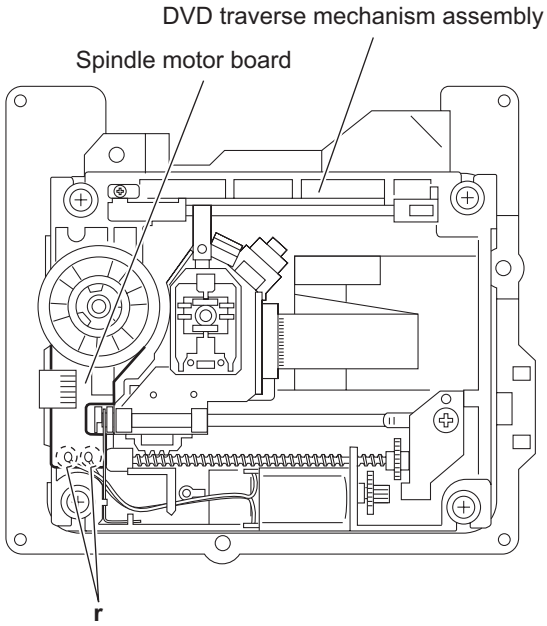


Fig.16

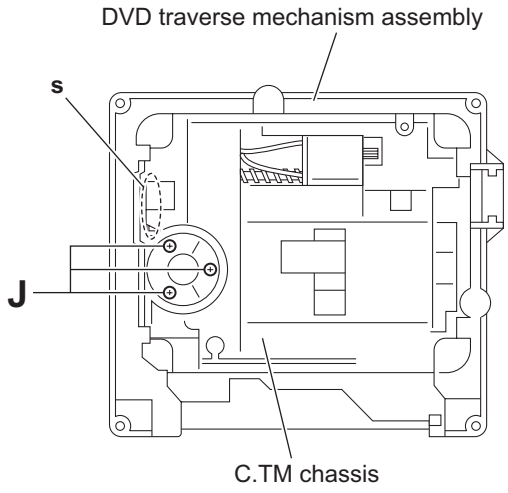


Fig.17

3.2.10 Removing the feed motor (See Figs.18 and 19)

- Remove the tray assemblies and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, remove the screw **K** attaching the feed bracket and remove the feed bracket from the sections **t**. (See Fig.18.)
  (2) Release the claw **u** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.18.)
  (3) Remove the screw shaft from the section **v** and remove it in the direction of the arrow. (See Fig.19.)
  (4) Remove the middle gear. (See Fig.19.)
  (5) Remove the screw **L** attaching the feed motor to the C.TM chassis. (See Fig.19.)
  (6) Remove the wires from the soldered sections **w** on the spindle motor board. (See Fig.19.)
  (7) Take out the feed motor from the motor base.

Reference:

After attaching the feed motor, pass the wires through the sections **x** on the C.TM chassis as before. (See Fig.19.)

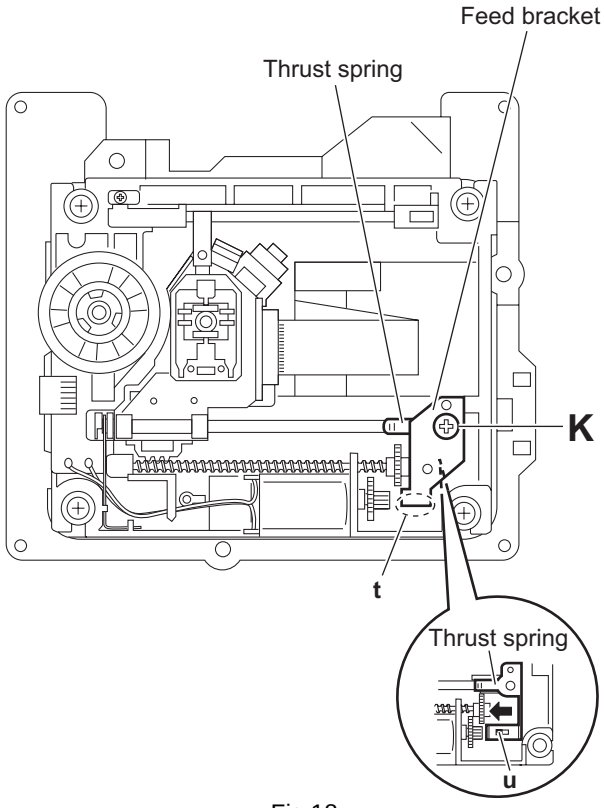


Fig.18

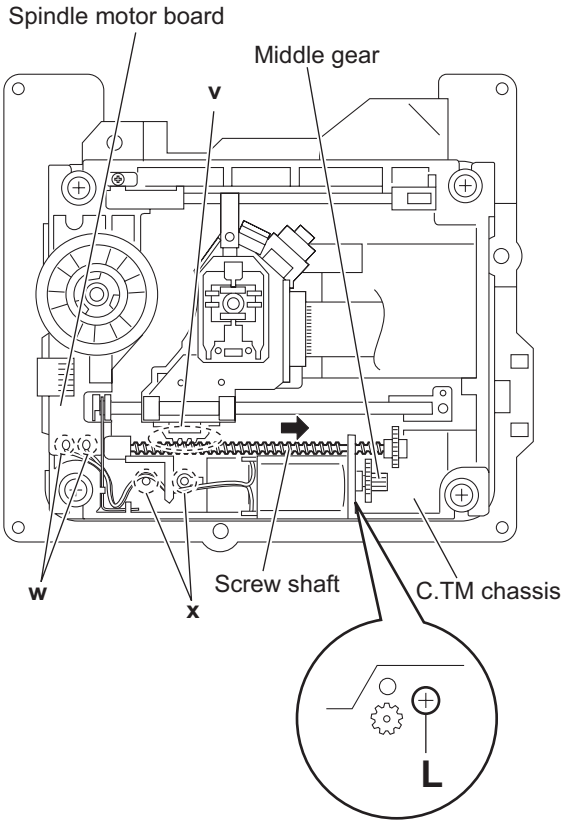


Fig.19

3.2.11 Removing the side (L) and tray switch board (See Figs.20 to 22)

- Remove the tray assemblies.
  (1) From the topside of the DVD changer mechanism assembly, remove the two screws **M** attaching the side (L). (See Fig.20.)
  (2) From the left side of the DVD changer mechanism assembly, disconnect the connector CN3 on the tray switch board from the motor board and detach the side (L) in an upward direction. (See Fig.21.)
  (3) Remove the screw **N** attaching the tray switch board to the side (L). (See Fig.22.)
  (4) Release the joint tab **y** of the side (L) in the direction of the arrow 1 and release the joint tab **z** while removing the tray switch board in the direction of the arrow 2. (See Fig.22.)

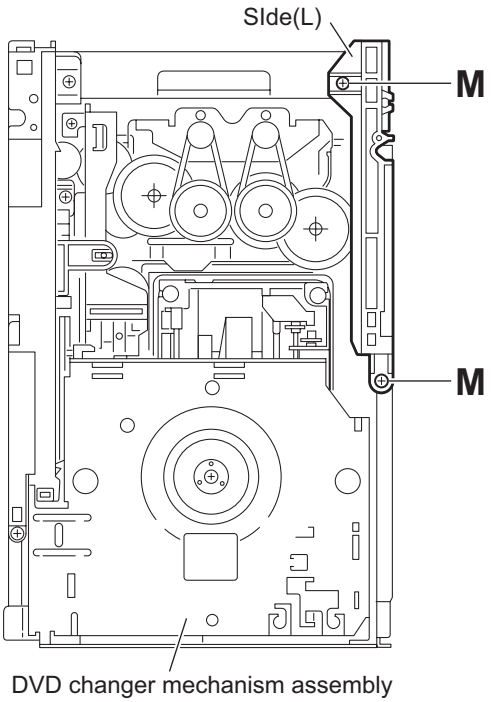


Fig.20

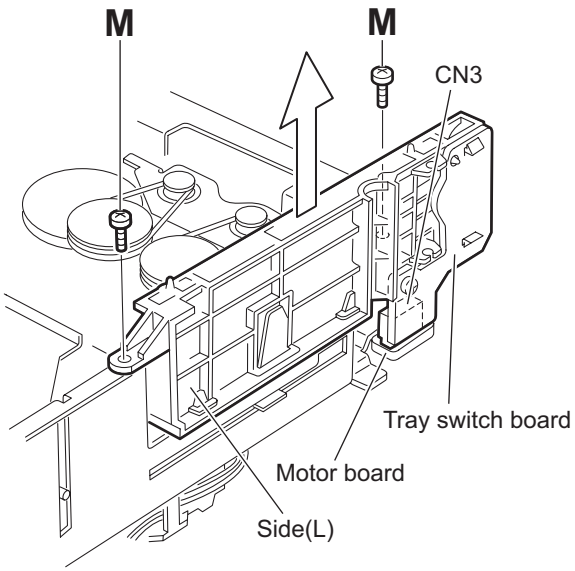


Fig.21

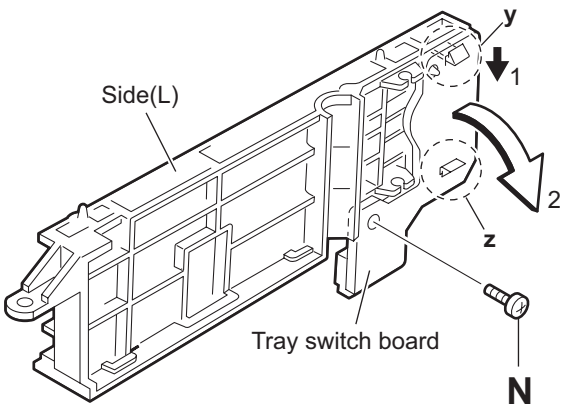


Fig.22

3.2.12 Removing the side (R) assembly (See Fig.23 to 27)

- Remove the tray assemblies and DVD servo board.
  (1) From the inside of the side (R) assembly, release the two tabs **aa** of the gear cover and remove the gear cover outward. (See Figs.23 and 24.)
  (2) From the right side of the DVD changer mechanism assembly, remove the elevator spring attached to the hook **ab** of the loader assembly. (See Figs.24 and 25.)
  (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the elevator cam rearward. (See Fig.25.)
  (4) Move the two slots **ac** and joint **ad** of the elevator cam and remove the elevator cam outward. (See Fig.25.)
  (5) Remove the three screws **P** and detaches the side (R) assembly upward. (See Figs.26 and 27.)

Note:

When reattaching the side (R) assembly, make sure to fit the shaft (part **ae**) into the slot of the select lever. (See Fig.26.)

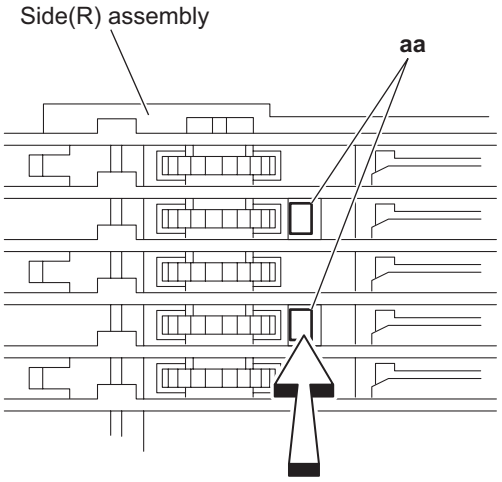


Fig.23

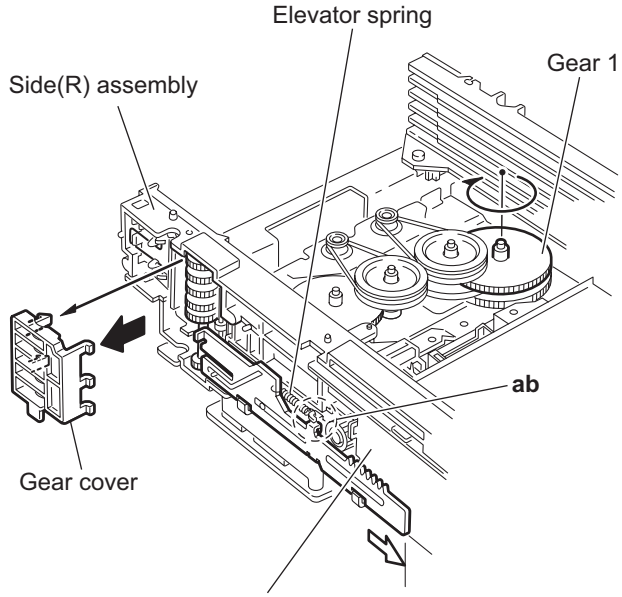


Fig.24

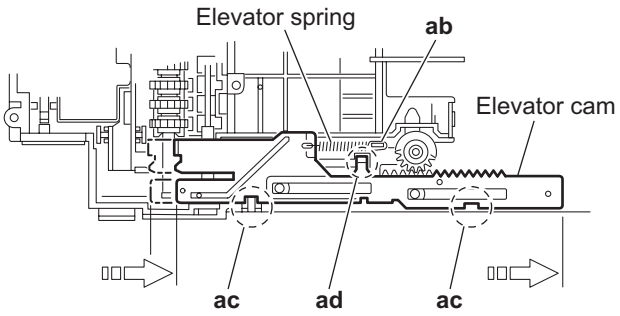


Fig.25

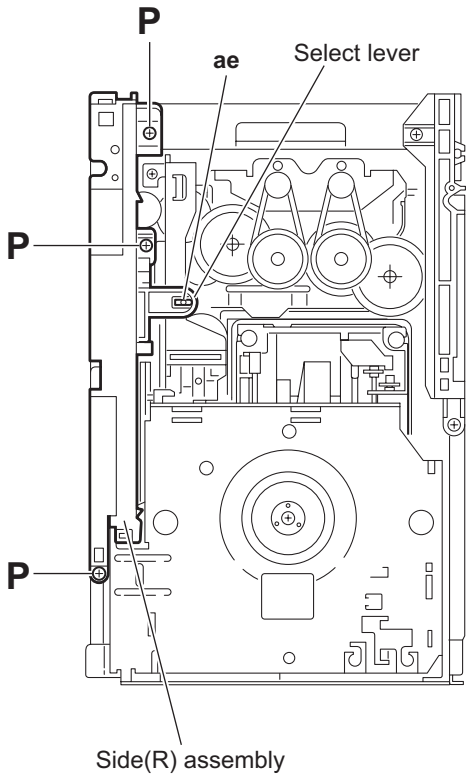


Fig.26

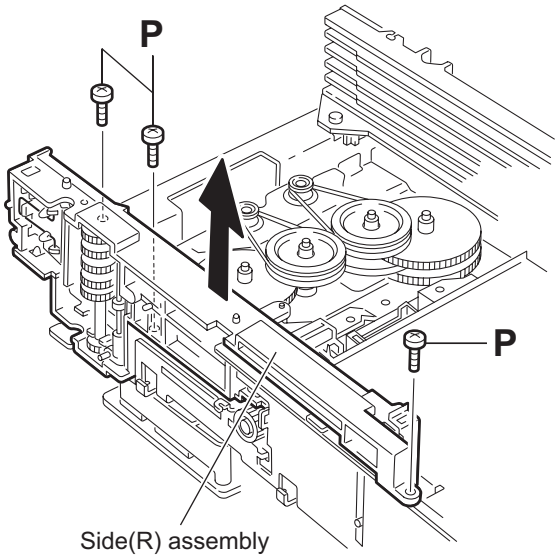


Fig.27

3.2.13 Removing the lifter assembly (See Figs.28 to 32)

- Remove the tray assemblies, DVD servo board, side (L) and side (R) assembly.
  (1) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Figs.28 and 29.)
  (2) Turn the gear 2 clockwise to move the hook toward the front until it stops. (See Figs.28 and 29.)
  (3) Move the hook stopper in the direction of the arrow 2 while pushing the tab **af** of the hook stopper to unlock it in the direction of the arrow 1 and release four joints **ag** to detach from the rack holder. (See Fig.30.)
  (4) Release the rod (L) from part **ah**. (See Fig.30.)
  (5) Turn the gear 1 clockwise again to move the lifter assembly upward. (See Fig.31.)
  (6) Remove the lifter assembly from the DVD changer mechanism assembly upward at the positions ai where the four pins on the both sides of the lifter assembly fit to the notches of the loader assembly. (See Fig.31.)
  (7) Move the lifter assembly in the direction of the arrow and release it from the hook. (See Fig.32.)

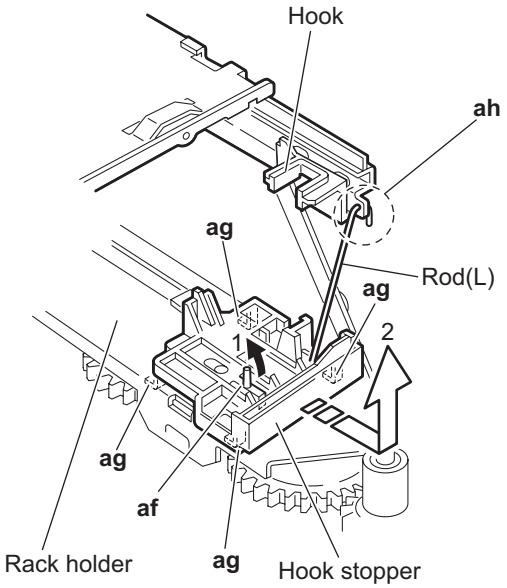


Fig.30

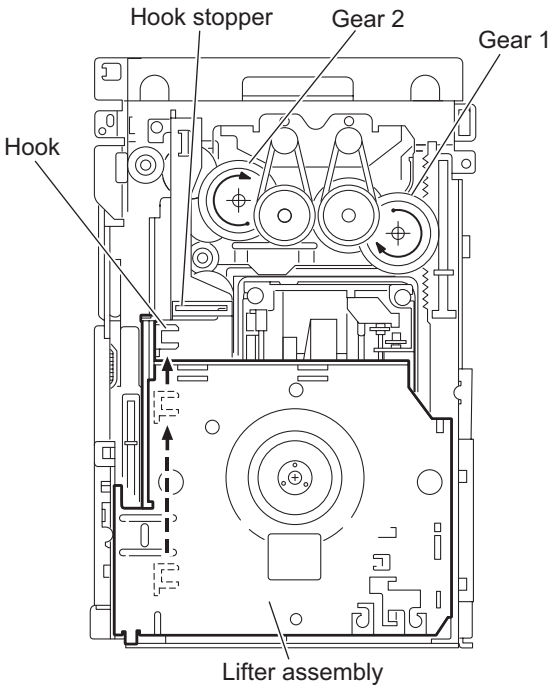


Fig.28

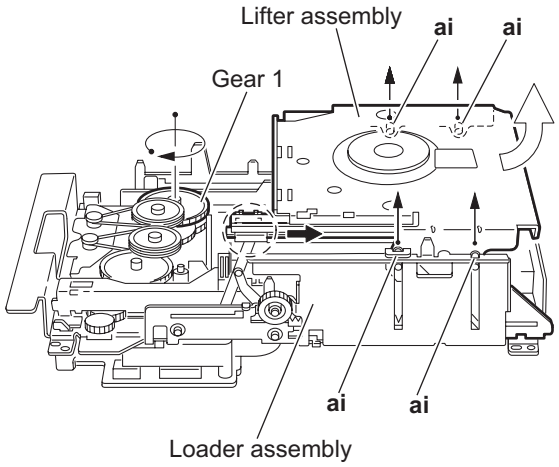


Fig.31

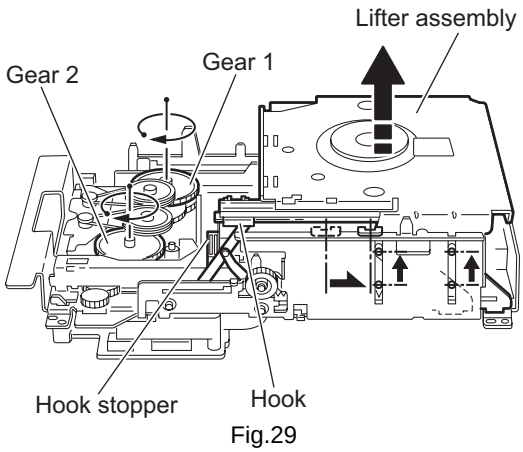


Fig.29

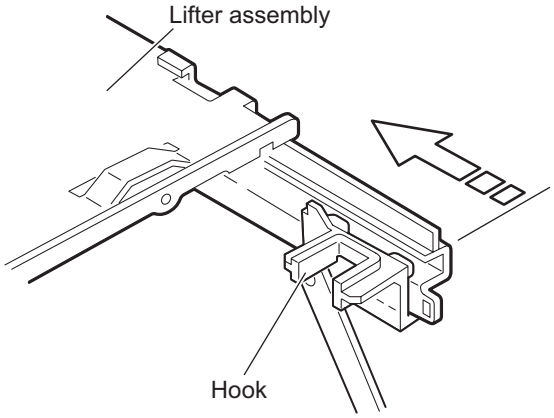


Fig.32

3.2.14 Removing the sensor board and SV resistor (See Fig.33)

- Remove the tray assemblies, side (L), side (R) assembly and lifter assembly.
  (1) Remove the solders from the soldered sections **aj** on the sensor board and remove the wires.
  (2) Remove the two screws **Q** and take out the sensor board with the SV resistor.

Reference:

- Remove the soldered section **ap** on the sensor board as required.
- When reassembling, pass the wires through the slot **ak** of the sensor board as before.

Note:

When reattaching the SV. resister, fit the projection am on the bottom of the SV. resister into slot **an** of the sensor slider.

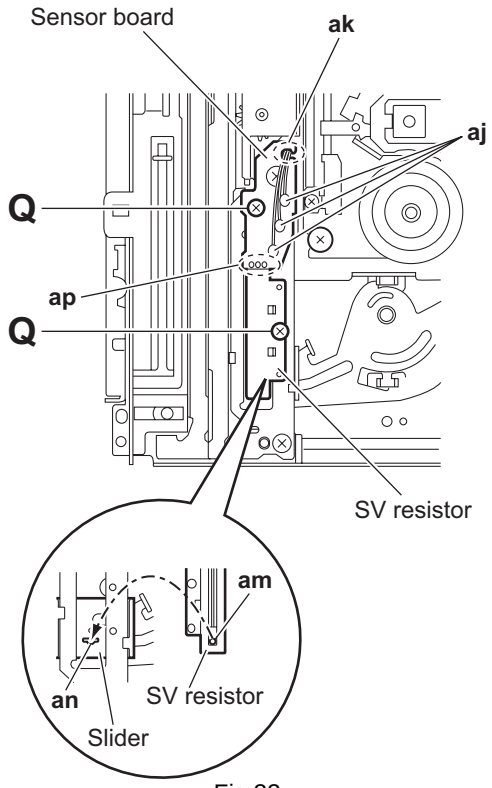


Fig.33

3.2.15 Taking out the disc in the play mode (See Fig.34 to 37)

Reference:

Refer to "Removing the tray assemblies".

(1) From the top side of the DVD changer mechanism assembly, remove the top cover.
(2) Unlock the tray assemblies and draw out the tray assemblies toward the front.
(3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Fig.34.)
(4) Turn the gear 2 clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out. (See Fig.34.)
(5) Take out the disc on the sub tray. (See Fig.35.)
(6) After clearing away the disc, insert the sub tray into the main tray. (See Fig.36.)

Note:

When reattaching the sub tray, move the tray stopper on the bottom of the main tray in the direction of the arrow to lock the sub tray certainly. (See Figs.36 and 37.)

(7) Push the tray assembly toward the DVD changer mechanism assembly and reattach.

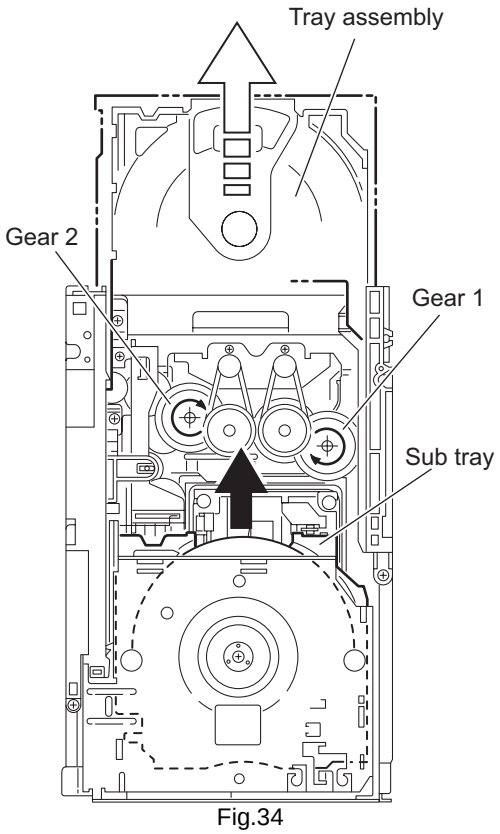


Fig.34

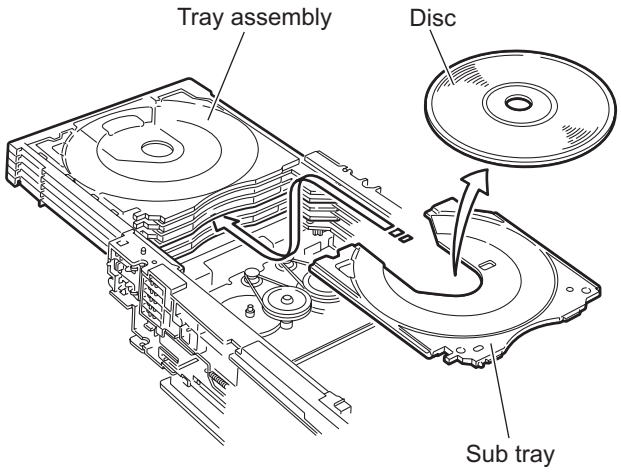


Fig.35

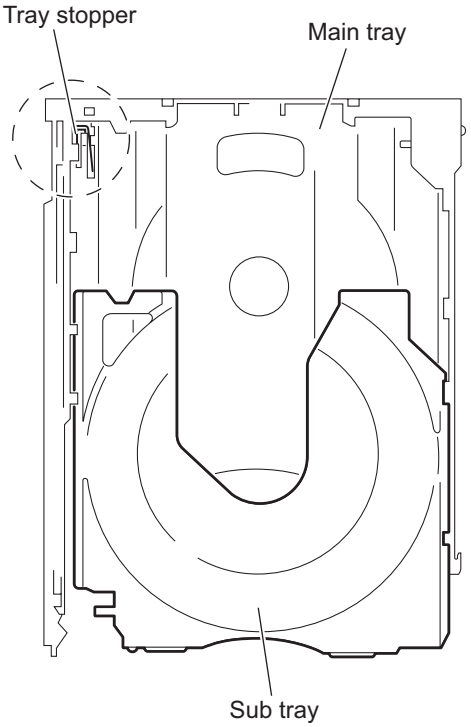


Fig.36

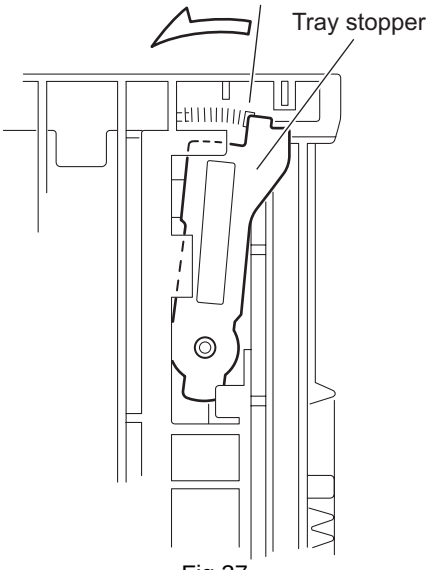


Fig.37

SECTION 4
ADJUSTMENT

4.1 Attention in service of DVD section

(1) When pickup, Flash ROM, DVD module board were changed, initialize EEPROM by all means.
(2) When full initialization was executed, execute learning with a DVD test disk by all means.
Test disc : VT-501, VT-502
Learning method : It is adjusted automatically by normal playback of a DVD test disc.

4.2 TO ENTER DVD TEST MODE.

(1) AC Power OFF.
(2) Press and hold STOP + DVD PLAY keys on the front panel. Then AC power ON while holding these keys.
(3) DVD Mecha will start in TEST MODE. The following will be display on the set.

T		x	x	y		v	w

xx = Destination information as follows; JC/1U/D/E/2U/3U/UB/UT/4U/UY/EE/UF
y = region number
v = study state information from MECHA-CON
w = initialization state from MECHA-CON

'v' Status	0	1	2	3
DVD Learned	Y	N	Y	N
'CD Learned	Y	Y	N	N

'w' Status	0	3	BLANK(0xFF)
Initialize Status	Normal	Full	Not Initialize

4.3 TO EXIT DVD TEST MODE

During TEST MODE, press POWER key.

4.4 DVD MODULE EEPROM INITIALIZATION

No	STEP	NORMAL INITIALIZE	FULL INITIALIZE
1)	During DVD TEST MODE	Press ▷▷ key on front panel.	Press STOP key on front panel and hold for 4 seconds.
2)	System display -> w status	w = 0 (Normal initialize)	w = 3 (Full initialize)

4.5 DEVICE KEY CHECKSUM DISPLAY

(1) During TEST MODE, press MENU key on remocon to enter DEVICE KEY CHECKSUM display for DVD-AUDIO (CPPM).
(KEY INDEX)
(DEVICE KEY INFO)
(DEVICE KEY CHECKSUM)

C	P	P	M	x	x	x	x

(2) System will display as follows.
(3) Press MENU again to enter DEVICE KEY CHECKSUM display for DVD-VR MODE (CPRM).
(KEY INDEX)
(DEVICE KEY INFO)
(DEVICE KEY CHECKSUM)

C	P	R	M	x	x	x	x

(4) System will display as follows.

4.6 DVD CHECK MODES

(1) Press MENU key again to enter CHECK MODE.
(TEST MODE, MODE STATUS, CHECK MODE)

	C	H	E	C	K		

a) During CHECK mode, press '1' key on REMOTE CONTROL to START PLAYBACK.

P	L	A	Y	B	A	C	K

b) During CHECK mode, press '2' key on REMOTE CONTROL to perform SEARCH TNO+1
(2 seconds)
Status: AA 00 cc cc jj jj

	W	O	B	B	L	E	
c	c	c	c	j	j	j	j

c) During CHECK mode, press '3' key on REMOTE CONTROL to perform SEARCH TNO-1

	C	H	E	C	K		

d) During CHECK mode, press '4' key on REMOTE CONTROL to light up CD_LD and display CD laser current.

(2 seconds)

(Static)

C	D	L	D		L	S	R
c	c	c	c	j	j	j	j

e) During CHECK mode, press '5' key on REMOTE CONTROL to light up DVD_LD and display DVD laser current.

(2 seconds)

(Static)

D	V	D	L	D	L	S	R
c	c	c	c	j	j	j	j

f) During CHECK mode, press '6' key on REMOTE CONTROL to enter DVD x 2 JITTER MEASUREMENT MODE.

(2 seconds)

(Static)

J	I	T	X	1			
c	c	c	c	j	j	j	j

g) During CHECK mode, press '7' key on REMOTE CONTROL to view DVD module EEPROM content in -1 address step.

(2 seconds)

(Static)

E	E	P		B	W	D	
c	c	c	c	j	j	j	j

h) During CHECK mode, press '8' key on REMOTE CONTROL to view DVD module EEPROM content in +1 address step.

(2 seconds)

(Static)

E	E	P		F	W	D	
c	c	c	c	j	j	j	j

i) During CHECK mode, press '9' key on REMOTE CONTROL to perform TEMPERATURE SENSOR VALUE.

(2 seconds)

(Static)

	T	E	M	P			
c	c	c	c	j	j	j	j

j) During CHECK mode, press '10' key on REMOTE CONTROL to perform SEARCH DVD_DL PARALLEL DISC DESIGNATED POSITION and JITTER MEASUREMENT

(2 seconds)

(Static)

D	V	D	-	D	L		
c	c	c	c	j	j	j	j

k) During CHECK mode, press '0' key on REMOTE CONTROL to perform monitor output.

(2 seconds)

(Static)

M	O	N	I	T	O	R	
c	c	c	c	j	j	j	j

l) During CHECK mode, press '+10' key to INITIALIZE DVD module EEPROM.

(2 seconds)

(Static)

I	N	I	T				

m) During CHECK mode, press PLAY key on REMOTE CONTROL to start PLAYING and obtain LASER CURRENT and JITTER value.

(2 seconds)

(Static)

L	S	R		J	I	T	
c	c	c	c	j	j	j	j

n) During CHECK mode, press STOP key on REMOTE CONTROL to stop JITTER measurement.

(Static)

c	c	c	c	j	j	j	j

(2) During CHECK mode, at any time press MENU key to exit CHECK mode and return to starting screen of DVD TEST MODE.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC

Victor Company of Japan, Limited
Audio/Video Systems Division 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB666<Rev.005>)

Printed in Japan
VPT

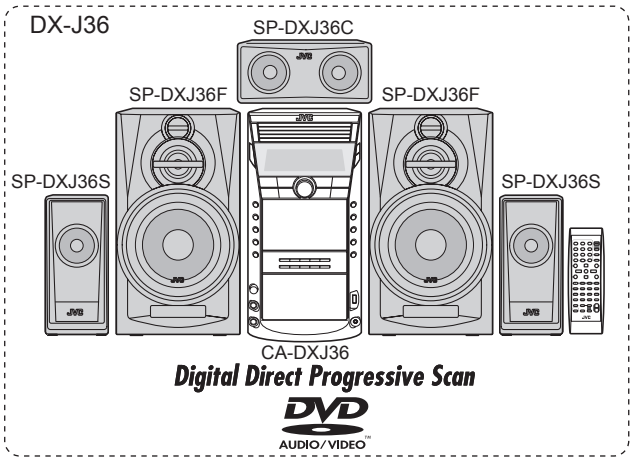
JVC

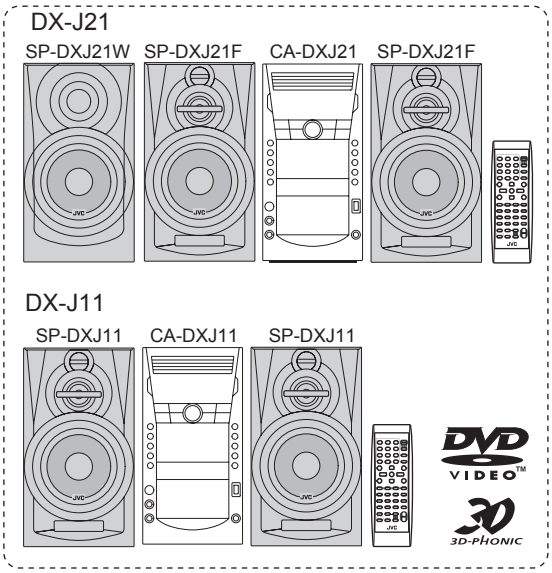
SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

DX-J36UN,DX-J36EE,DX-J36UX,DX-J36UG DX-J36US,DX-J36UW,DX-J21UN,DX-J21J DX-J21EE,DX-J21A,DX-J21UW,DX-J21UX DX-J21UG,DX-J11UN,DX-J11EE,DX-J11UW DX-J11UX,DX-J11UG,DX-J11UH,DX-J11US

DVD-ROM No.SML2008Q4





COMPACT disc SUPER VIDEO
dts Digital Surround
DOLBY DIGITAL PRO LOGIC II
DivX
DivX ULTRA
DVD-R/-RW +R +RW PLAYBACK
MPEG-4 ASF PLAYBACK
ACTIVE BASS EXTENSION
VariBASS
KARAOKE SCORING
Calorie Display
MP3/WMA/WAV

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

Contents

Block diagrams ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-20 to 22

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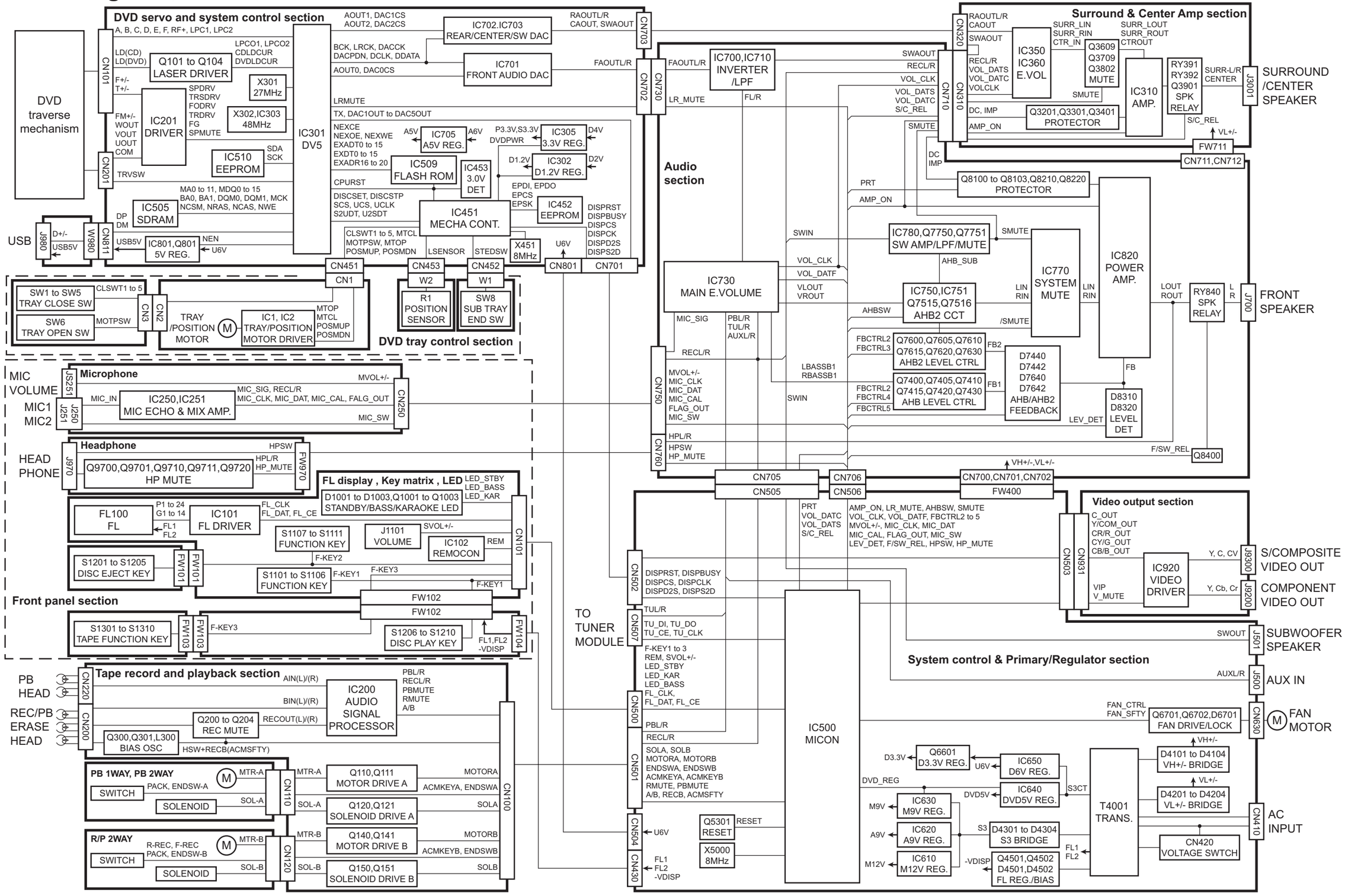
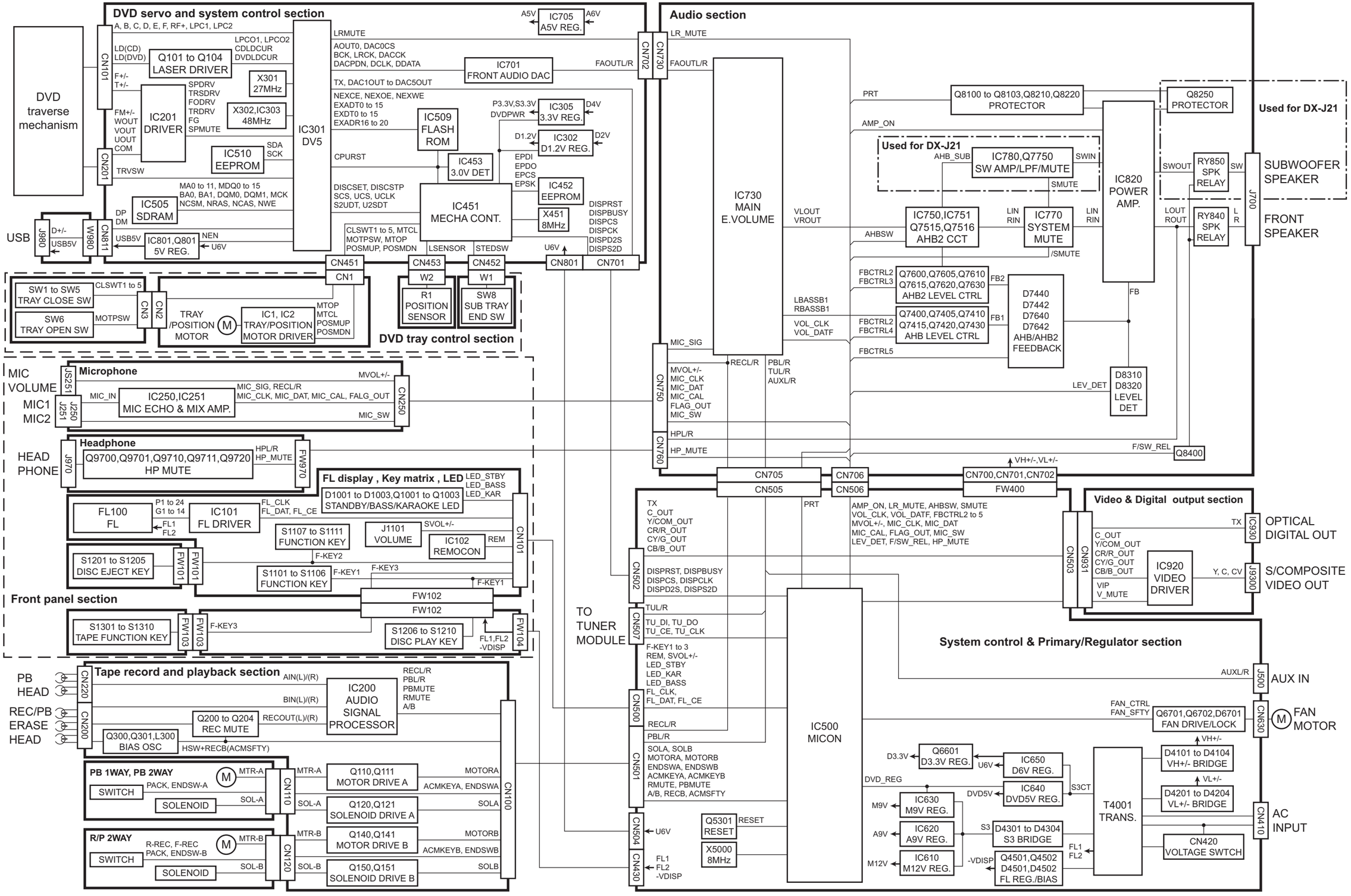
No.MB666SCH<Rev.005>
2009/2

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

Block diagram (For DX-J36)

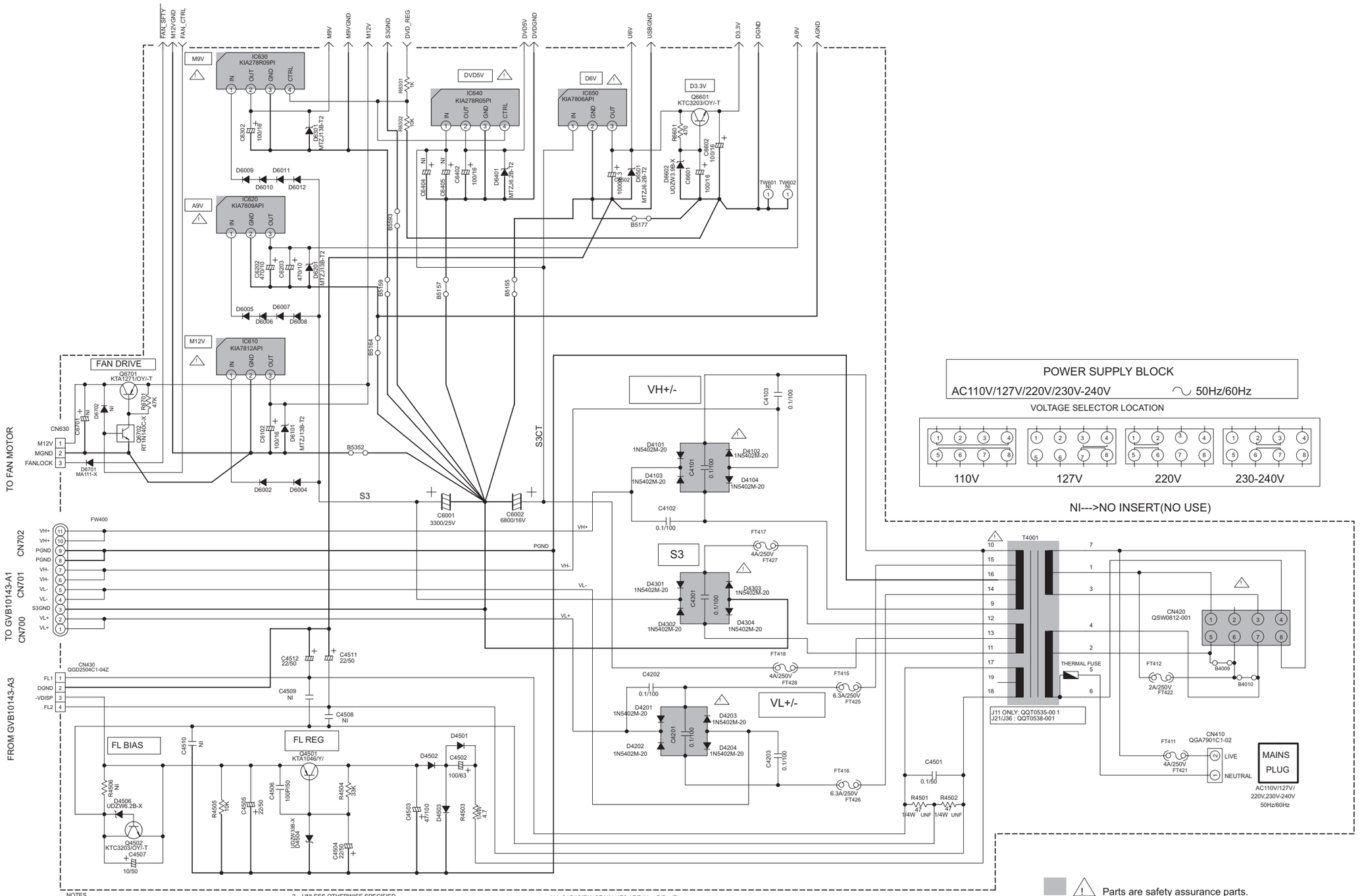


Block diagram (For DX-J11 and DX-J21)



Standard schematic diagrams

■ Primary section (DX-J36)



POWER SUPPLY BLOCK

AC110V/127V/220V/230V-240V ~ 50Hz/60Hz

VOLTAGE SELECTOR LOCATION

NI--->NO INSERT(NO USE)

NOTES

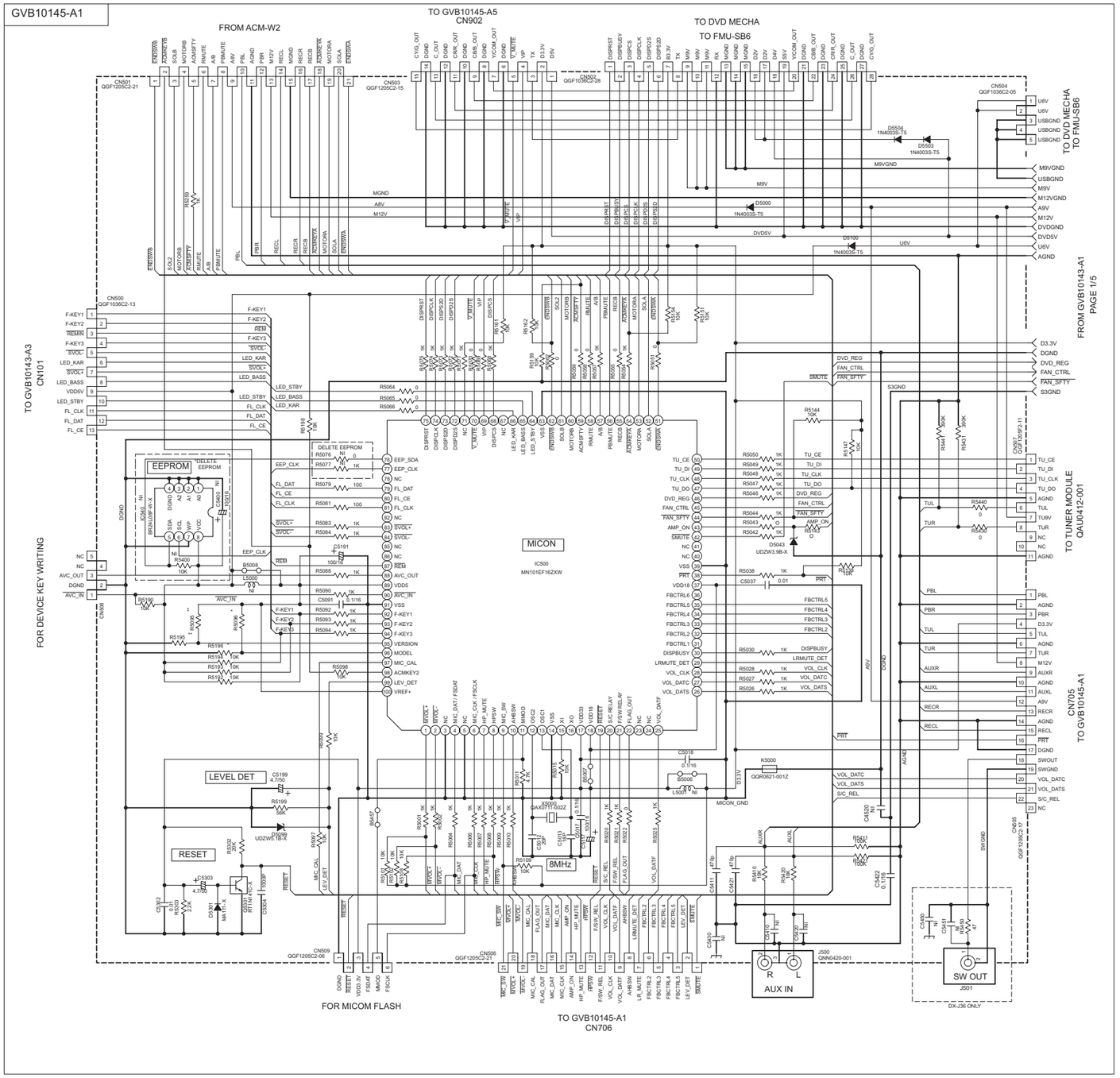
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).

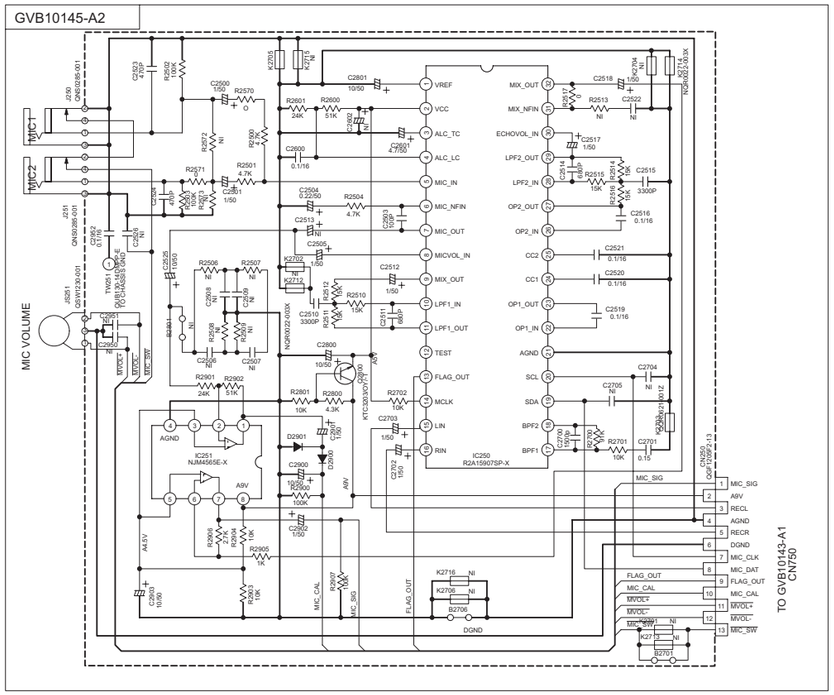
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL DIODES ARE 1N4003S-T5
NI = NON INSERT

VERSION	CN420	B4009	B4010
A/ EE	NI	NI	INSERT
UY	NI	INSERT	NI
OTHERS	INSERT	NI	NI

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

■ Micom section (DX-J36)





NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITA L VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES AR E 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 INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL FERRITE BEADS ARE QQR0621-001Z
   NI = NON INSERT

DIGITAL TRANSISTOR CONSTRUCTION

SYMBOL	R1	R2	PART NO.
Q1	4.7K	-	RT1N144C-X
Q2	10K	47K	RT1N430C-X
Q3	4.7K	-	RT1P430C-X
Q4	10K	10K	RT1P141C-X

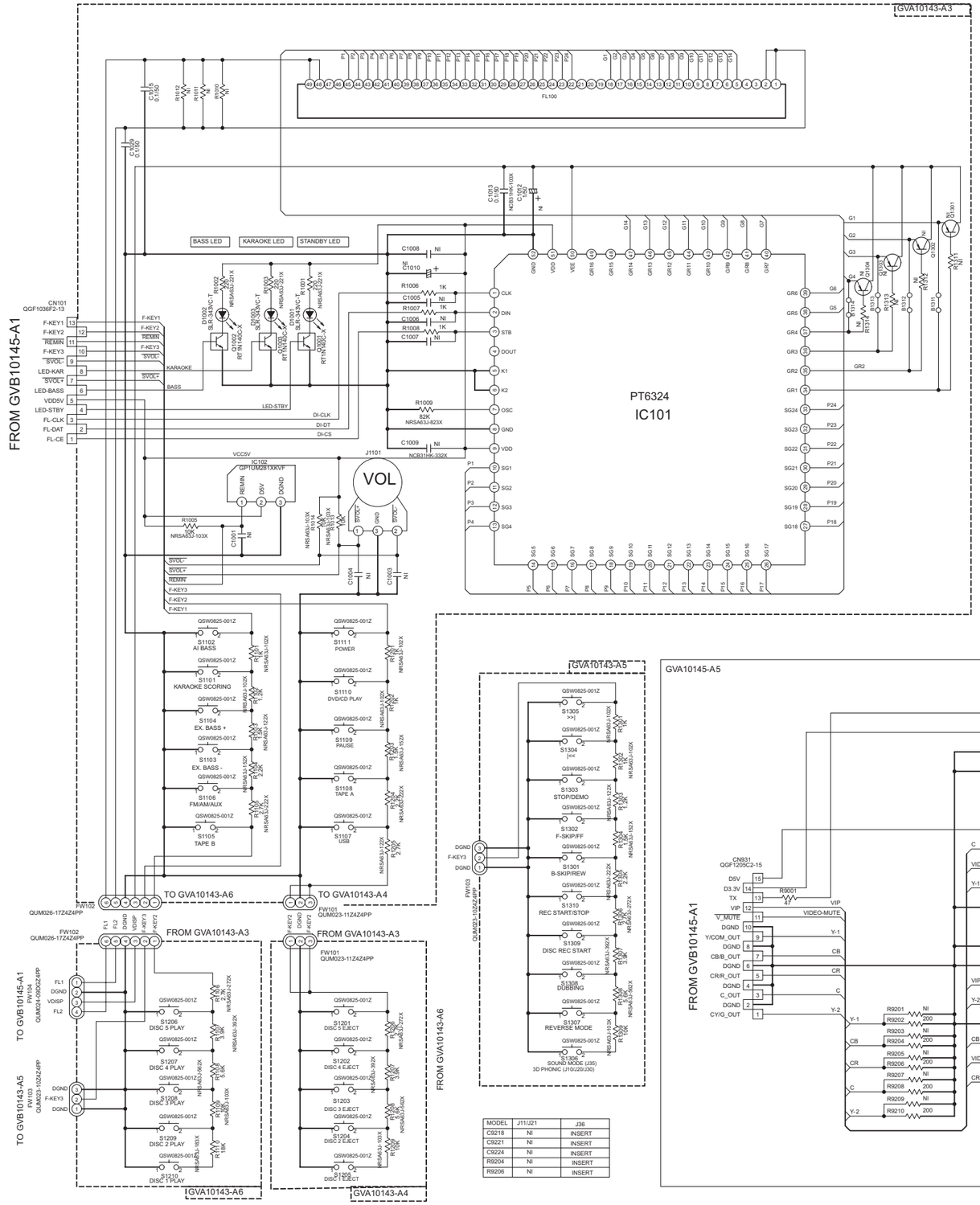
* MODEL INDICATION

	J11	J21	J36
R5096	10K	10K	10K
R5196	NIL	NIL	15K

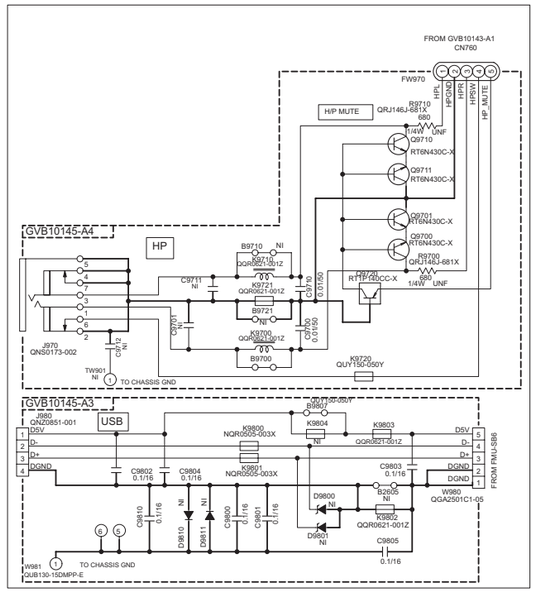
** VERSION INDICATION

	R5095	R5195
US/UN/UH/A	10K	NIL
UW/UY	10K	18K
UX/UG	10K	5.6K
EE	NIL	10K

■ Front section (DX-J36)

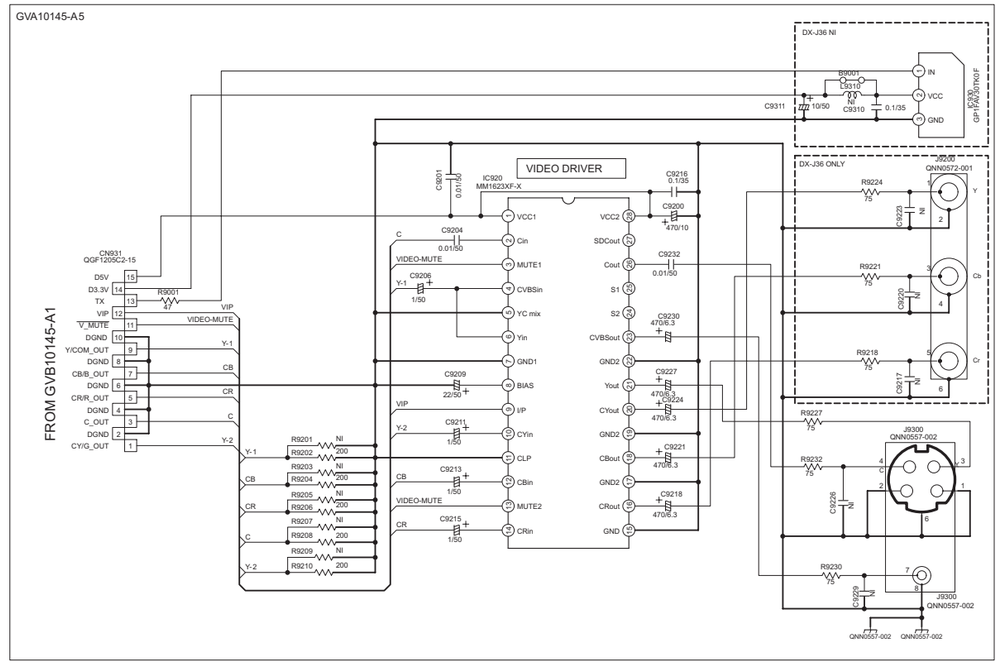


MODEL	J11/J21	J36
C9218	NI	INSERT
C9221	NI	INSERT
C9224	NI	INSERT
R9204	NI	INSERT
R9206	NI	INSERT

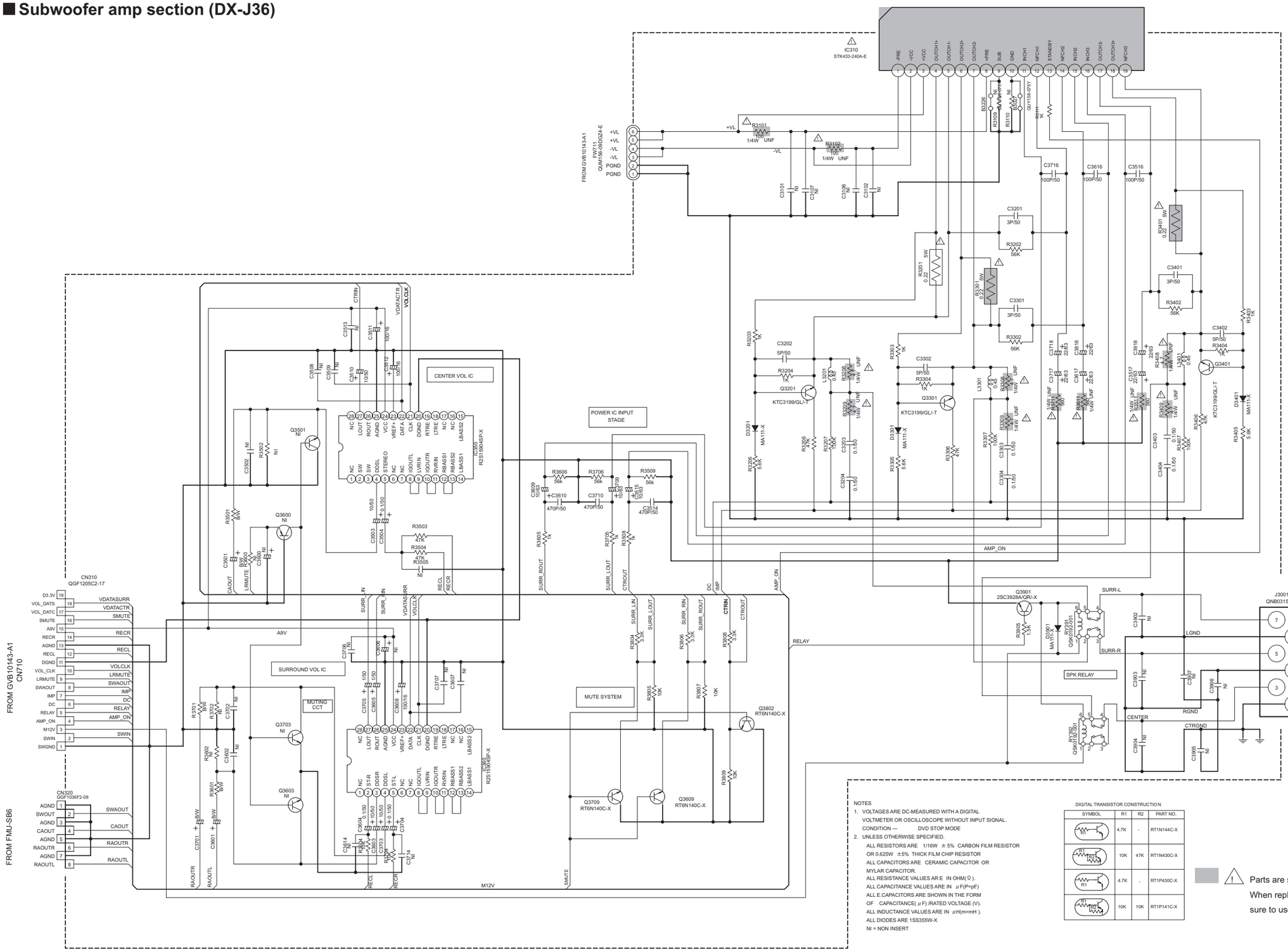


DIGITAL TRANSISTOR CONSTRUCTION			
SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N430C-X
	4.7K	-	RT1P430C-X
	10K	10K	RT1P141C-X

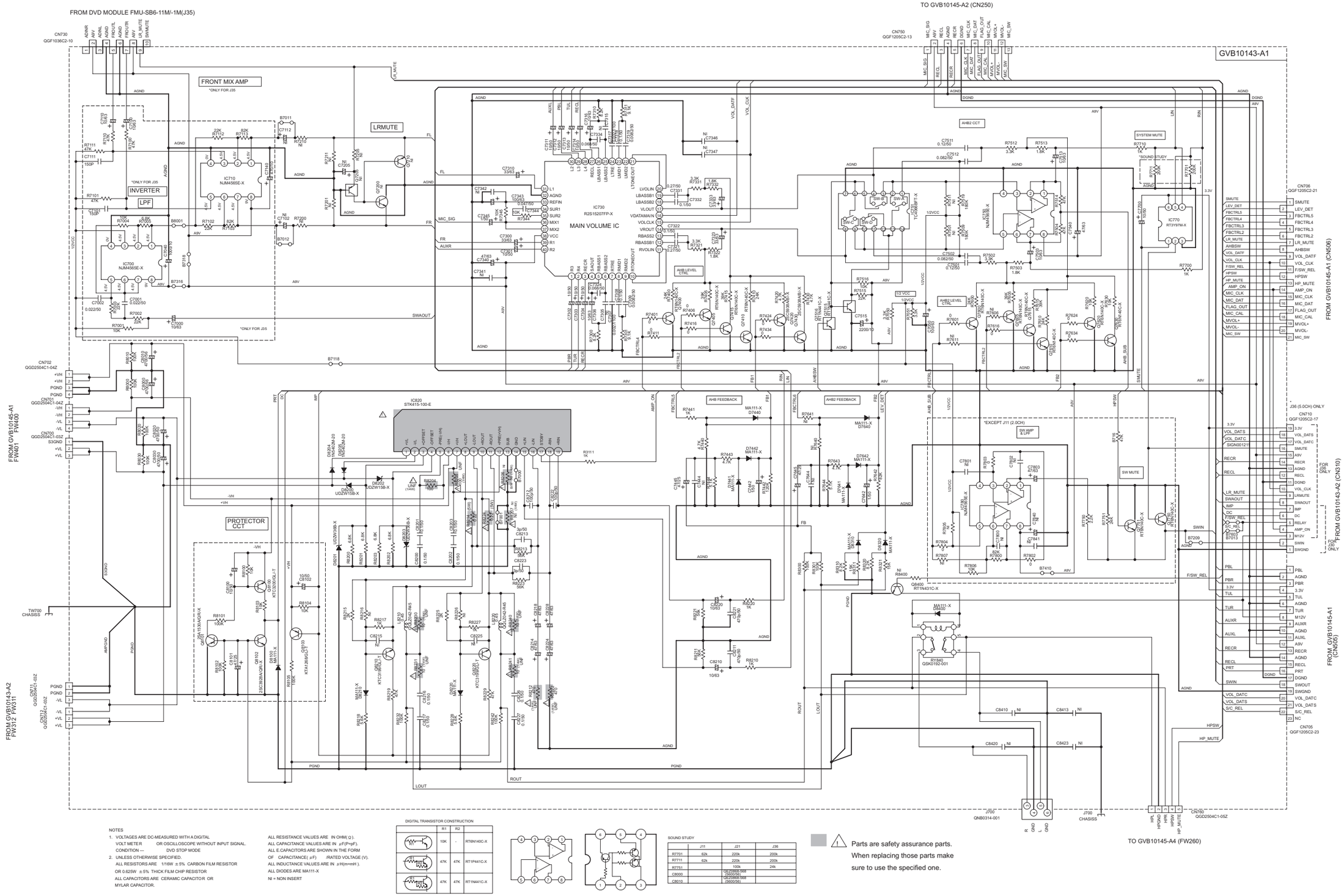
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITA L VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL . CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES AR E 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 INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL DIODES ARE MA111-X
   NI = NON INSERT



■ Subwoofer amp section (DX-J36)



■ Audio section (DX-J36)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR 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 INDUCTANCE VALUES ARE IN μH(m=mH).
ALL DIODES ARE MA111-X
NI = NON INSERT

DIGITAL TRANSISTOR CONSTRUCTION

	R1	R2	
NI	10K	-	RT6N140C-X
NI	47K	47K	RT1P441C-X
NI	47K	47K	RT1N441C-X

SOUND STUDY

	J11	J21	J36
R7701	62k	220k	200k
R7711	62k	220k	200k
R7751		100k	24k
C8000		0.22/250(5.0CH) 0.082/250 (2.0CH)	
C8010		0.12/250(5.0CH) 0.056/250 (2.0CH)	

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

■ Cassette control section (DX-J36)

GVA10149

QAL0968-001 (R/P 2WAY)

QAL0966-001 (PB 1WAY)
QAL0967-001 (PB 2WAY)

IC200 HA12237F-E

Q200 RT1P430C-X

Q201 RT6N430C

Q202 RT6N430C

Q203 RT6N430C

Q204 RT6N430C

Q205 NI

Q300 KTC3203/OY/-T

Q301 KTC3203/OY/-T

L300 QQR1118-002

L301 QQL244K-100Z

CN200 RECORD PLAYBACK HEAD QGA2001C1-07

CN220 QGA2001F1-03 /WJK0243-001A-E PLAYBACK HEAD

CN120 QGF1205C2-07

CN110 QQF1205F2-06

CN100 QQF1205C2-21

TP300 BIAS FRQ CHECK POINT

BIAS OSC

SOLENOID DRIVE B — Q150 KTA1296/Y/-T

MOTOR DRIVE B — Q140 KTA1271/OY/-T

Q151 RT1N144C-X

Q141 RT1N144C-X

SOLENOID DRIVE A — Q120 KTA1296/Y/-T

MOTOR DRIVE A — Q110 KTA1271/OY/-T

Q121 RT1N144C-X

Q111 RT1N144C-X

D151 1N4003S-T5

D121 1N4003S-T5

D122 1N4003S-T5

D152 1N4003S-T5

WR1 WJZ0160-004A
CONNECT TO CHASSIS OF MECHA A & B

RECORDING CURRENT
NORM 36uA
ERASE CURRENT
NORM 70mA

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED ,RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   POLYPROPYLENE CAPACITOR

KRC107S-X RT1N144C-X

KRA102S-X RT1P141C-X

RT6N430C

RT1P430C-X

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

■ Front end section 1 (DX-J36)

PICKUP ASS'Y

QAL0786-***

(OPA-652PH*)

TRA MECHA ASS'Y
FXL-D20-1M

FEED MOTOR

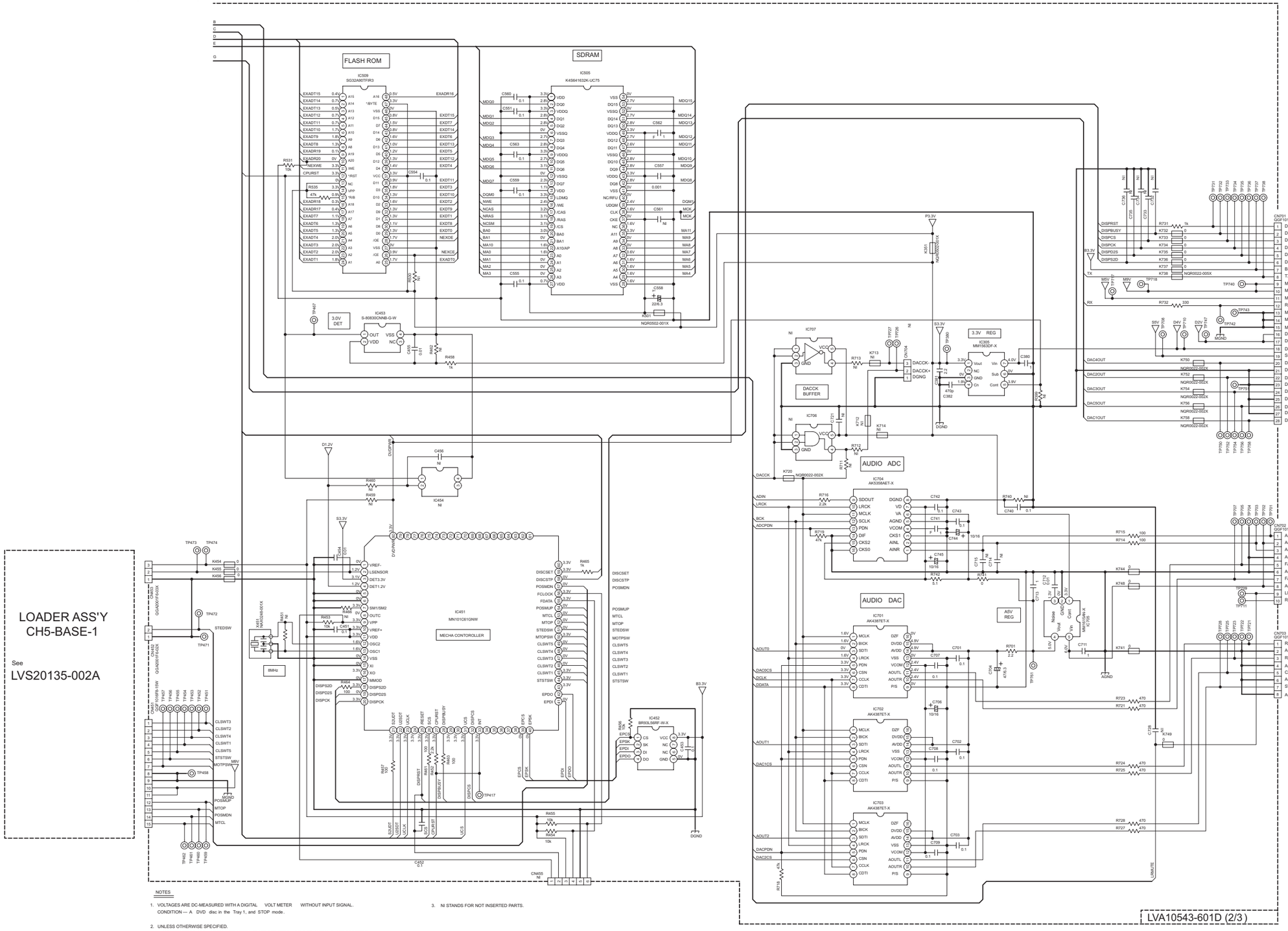
QAR0165-001

SPINDLE MOTOR

QAR0334-002

LVA10543-601D (1/2)

■ Front end section 2 (DX-J36)



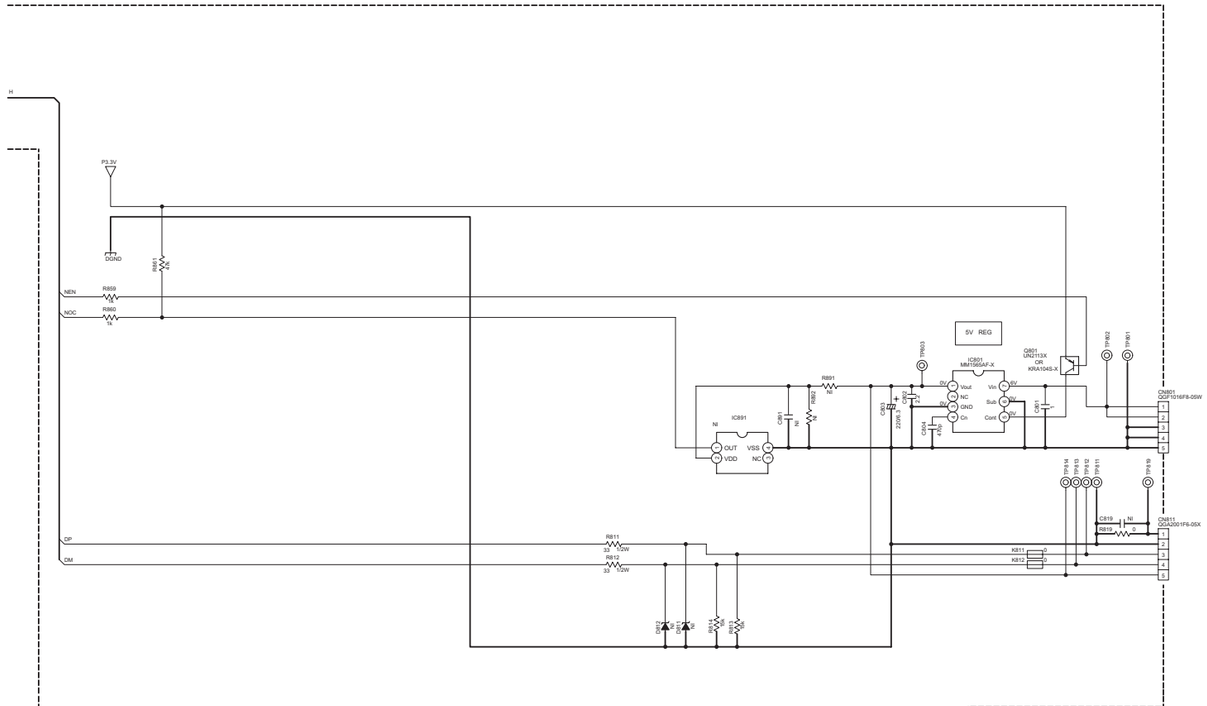
LOADER ASS'Y
CH5-BASE-1

See
LVS20135-002A

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION — A DVD disc in the Tray 1, and STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V , 25V , 16V , 10V or 6.3V CERAMIC 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 INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

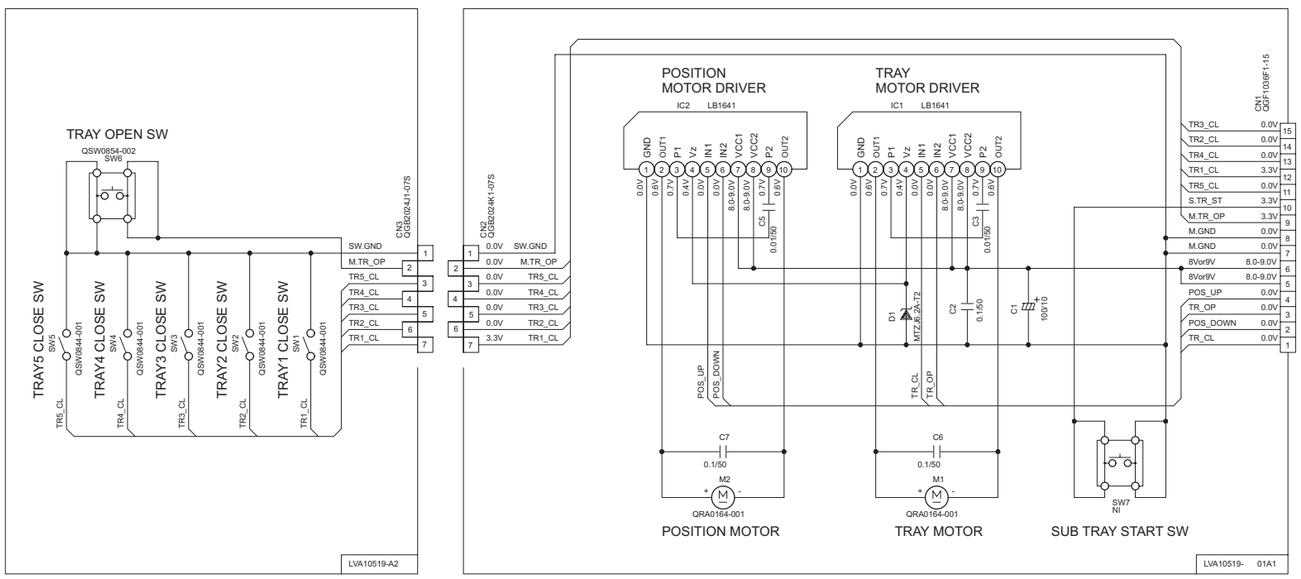
■ Front end section 3 (DX-J36)

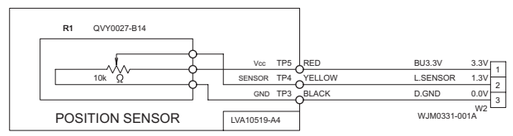


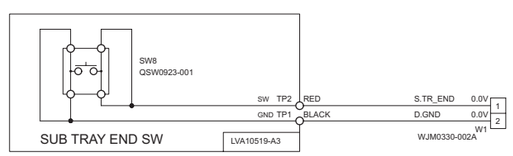
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION — A DVD disc in the Tray 1 , and STOP mode .
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V , 25V , 16V , 10V or 6.3V CERAMIC CAPACITOR .
   ALL RESISTANCE VALUES ARE IN OHM(Ω) .
   ALL CAPACITANCE VALUES ARE IN μ F(=pF) .
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F) /RATED VOLTAGE (V) .
   ALL INDUCTANCE VALUES ARE IN μ H(=mmH) .
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR

■ Loader section (DX-J36)



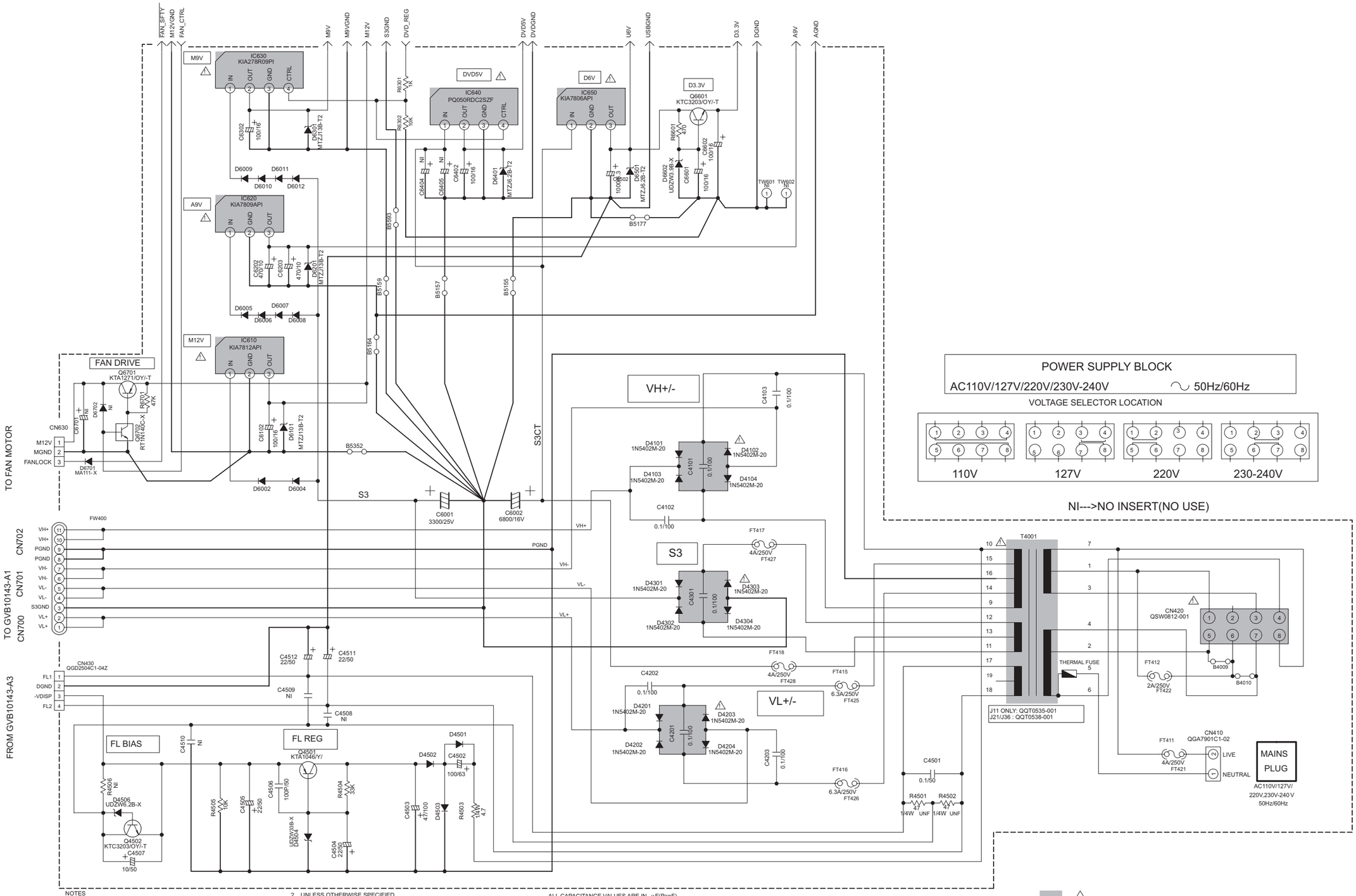




NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
   CONDITION: DISC1 STOP
2. UNLESS OTHERWISE SPECIFIED.
   ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F)/RATED VOLTAGE(V).
3. NI STANDS FOR NOT INSERTED PARTS.

■ Primary section (DX-J21,DX-J11)



NOTES

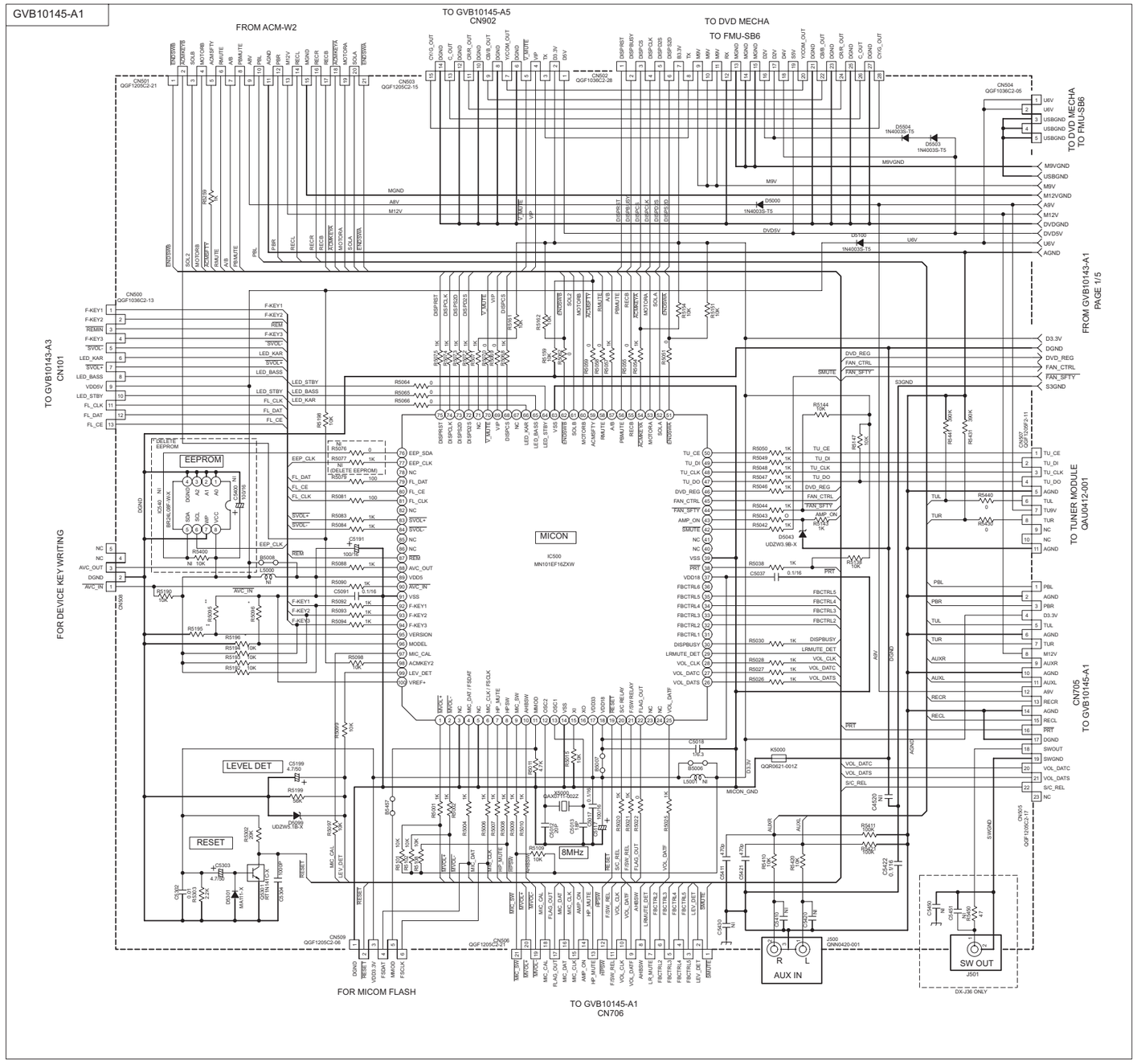
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   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 INDUCTANCE VALUES ARE IN μH(m=mH).
ALL DIODES ARE 1N4003S-T5
NI = NON INSERT

VERSION	CN420	B4009	B4010
A/ EE	NI	NI	INSERT
UY	NI	INSERT	NI
OTHERS	INSERT	NI	NI

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

■ Micom section (DX-J21,DX-J11)


GVB10145-A1
FROM ACM-W2
TO GVB10145-A5
CN902
TO DVD MECHA
TO FMU-SB6
CN501
QGF1205C2-21
CN503
QGF1205C2-15
CN502
QGF1036C2-28
CN504
QGF1036C2-05
TO DVD MECHA
TO FMU-SB6
M9VGND
USBGND
M9V
M12VGND
A9V
M12V
DVDGND
DVD5V
U6V
AGND
D5004
1N4003S-T5
D5003
1N4003S-T5
D5000
1N4003S-T5
D5100
1N4003S-T5
MGND
A6V
M12V
V_MUTE
VIP
FROM GVB10143-A1
PAGE 1/5
D3.3V
DGND
DVD_REG
FAN_CTRL
FAN_SFTY
S3GND
TO GVB10143-A3
CN101
CN500
QGF1036C2-13
F-KEY1
F-KEY2
REMIN
F-KEY3
SVOL+
LED_KAR
SVOL-
LED_BASS
VDD5V
LED_STBY
FL_CLK
FL_DAT
FL_CE
R5064 0
R5065 0
R5066 0
R5144 10K
R5147 10K
R5440 0
R5441 0
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R5469 0
R5470 0
R5471 0
R5472 0
R5473 0
R5474 0
R5475 0
R5476 0
R5477 NI
R5478 0
R5479 100
R5480 100
R5481 100
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R5678 1K
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R5680 100
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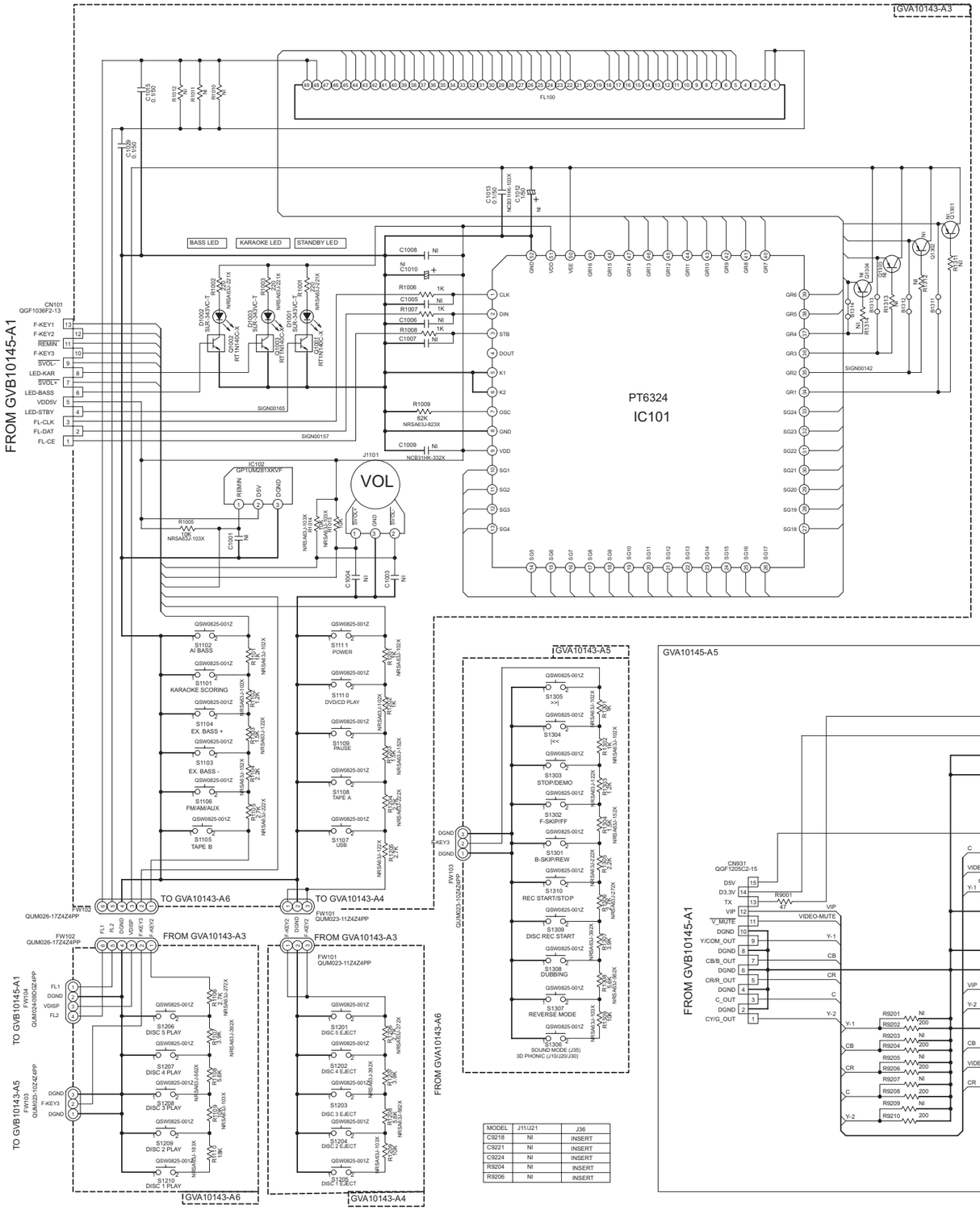
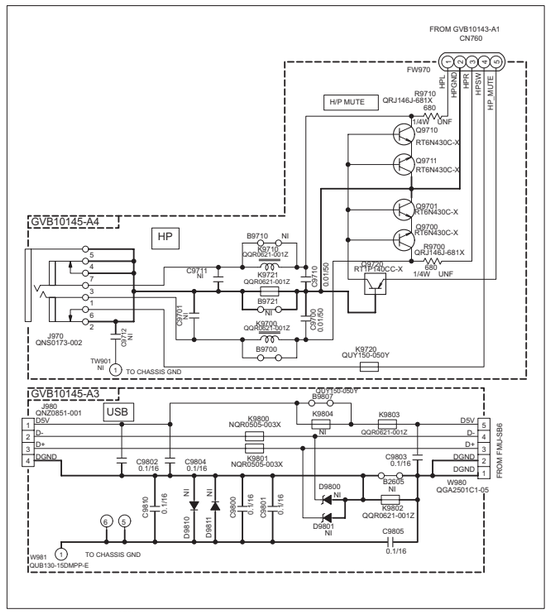
R5698 1K
R5699 1K
R5700 1K
R5701 1K

■ Front section (DX-J21,DX-J11)



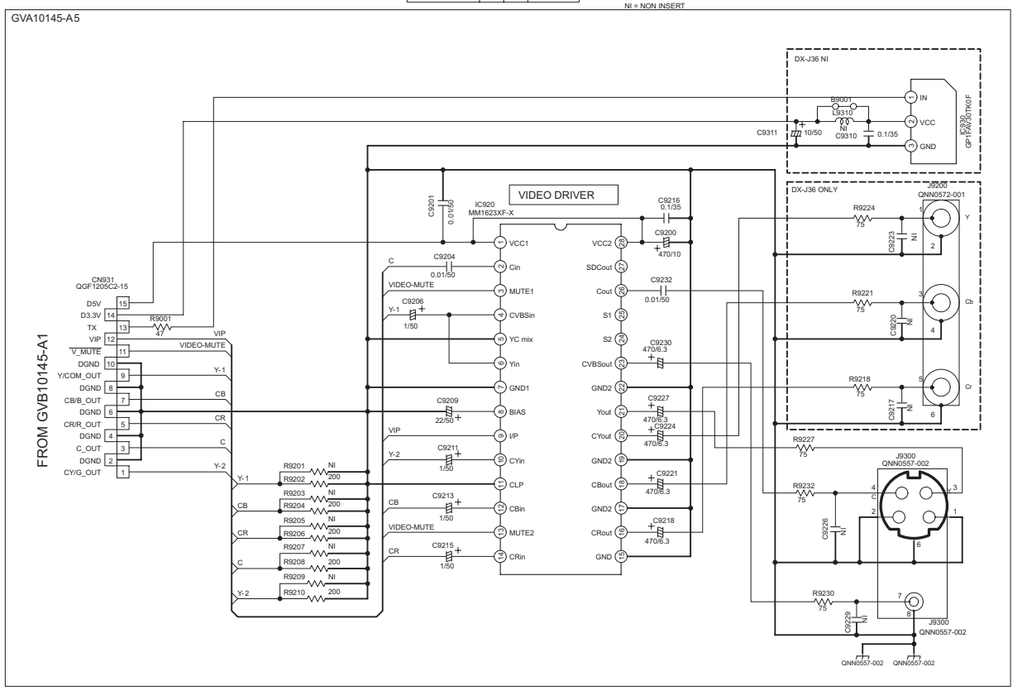


DIGITAL TRANSISTOR CONSTRUCTION

SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N430C-X
	4.7K	.	RT1P430C-X
	10K	10K	RT1P141C-X

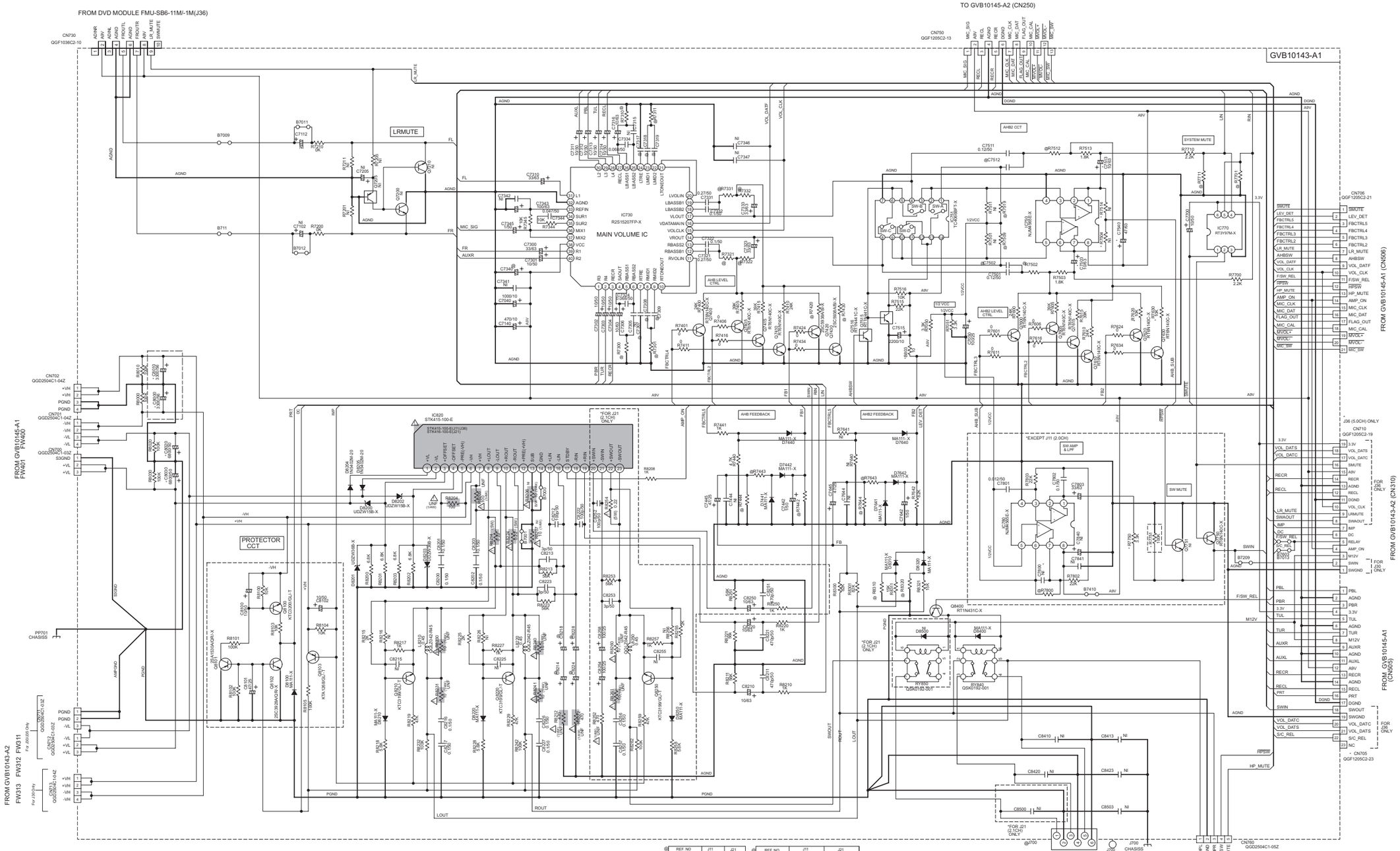
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITA L VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ± 5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR 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 INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL DIODES ARE MA111-X
   NI = NON INSERT



MODEL	J11/J21	J36
C9218	NI	INSERT
C9221	NI	INSERT
C9224	NI	INSERT
R9204	NI	INSERT
R9206	NI	INSERT

■ Audio section (DX-J21,DX-J11)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

ALL RESISTANCE VALUES AR E IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(PnpF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(mmmH).
ALL DIODES ARE MA111-X
NI = NON INSERT

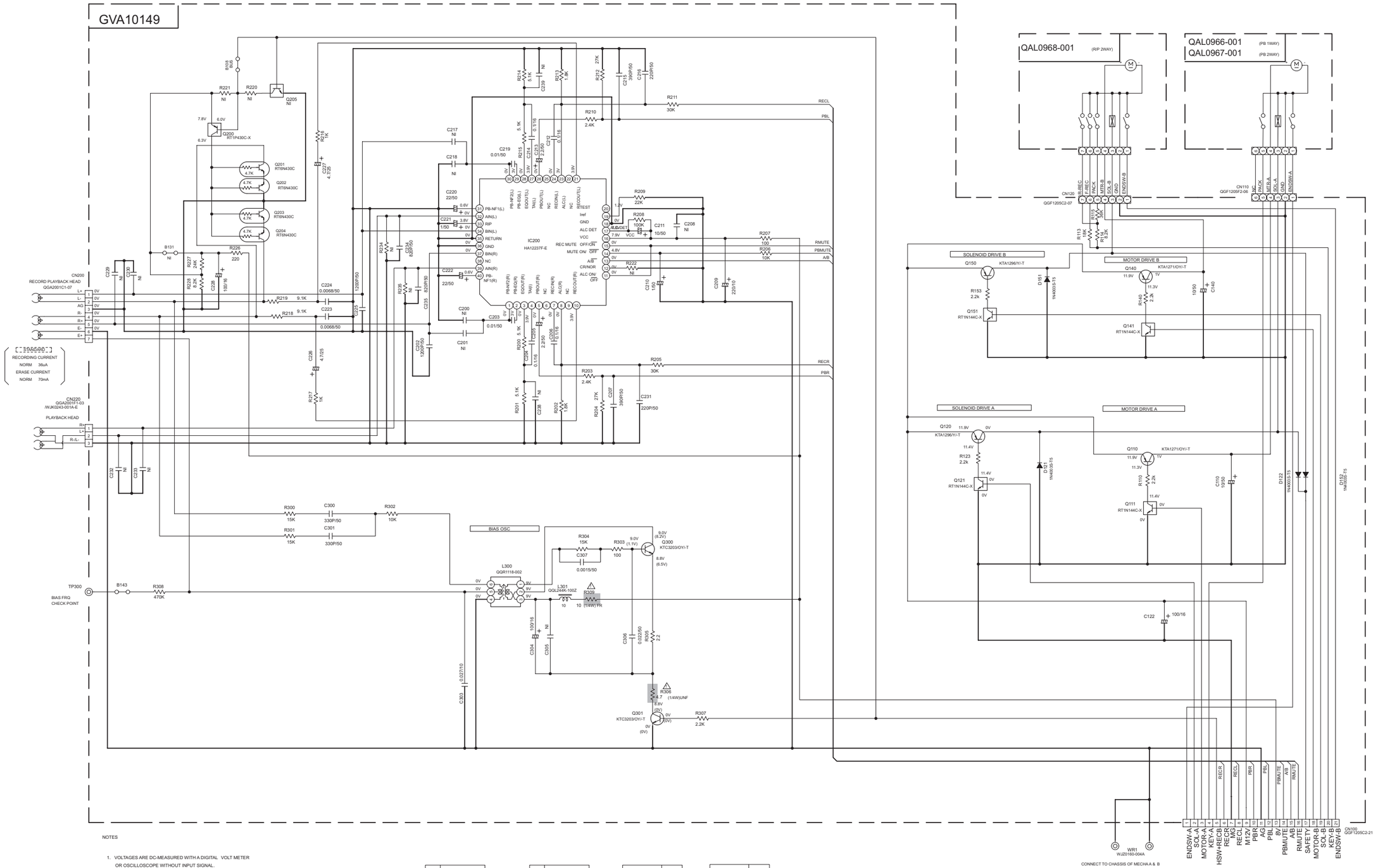
	R1	R2	
R1 R2	10K	-	RT6N140C-X
R1 R2	47K	47K	RT1P441C-X
R1 R2	47K	47K	RT1N441C-X

REF. NO	J11	J21
R7309/R7310	8.2K	8.2K
R7301/R7311	9.1K	7.5K
R7321/R7331	3.3K	2.7K
R7322/R7332	1.8K	2.2K
R7420	4.7K	6.2K
R7430	4.7K	6.2K
R7442	120K	120K
R7443	4.7K	4.7K
R7444	5.1K	5.1K
R7502/R7512	3.3K	3.9K
R7503/R7513	1.8K	2.2K
R7509/R7519	180K	120K
R7643	4.7K	4.7K
R7644	5.1K	5.1K
R7800	NI	1IK
R7706/R7710	3.3K	2.2K
R7701/R7711	62K	220K
R8310/R8320	8.2K	8.2K

REF. NO	J11	J21
C7307/C7317	QFS32AJ-272Z	QFS32AJ-472Z
C7308/C7318	QFLC1HJ-104Z	QFVLC1HJ-104Z
C7309/C7319	QFLC1HJ-822Z	QFLC1HJ-103Z
C7340/C7540	QETN1JM-476Z	QEZ0863-336Z
C7501/C7511	QFVF1HJ-134Z	QFLC1HJ-134Z
C7502/C7512	QFLC1HJ-823Z	QFLC1HJ-823Z
C7515	QETM1AM-228	QETN1AM-108Z
C7800	NI	QFLC1HJ-123Z
C8000/C8010	QEZ0865-338	QEZ0868-568
C8020/C8030	QEZ0786-688	QEZ0743-478
C8214/C8218	QEZ0863-476Z	QTE1E46-107Z
C8224/C8228	QEZ0863-476Z	QTE1E46-107Z
J700	QNB037-F001	QNB0315-001
CN710	NI	NI
CN705	QGF1205C2-17	QGF1205C2-17
B803	NRS181J-100X	NRS181J-0R0X

	J11	J21	J36
R7701	62k	220k	200k
R7711	62k	220k	200k
R7751		100k	
C8000		QEZ0868-568 (5600/96)	
C8010		QEZ0868-568 (5600/96)	

■ Cassette control section (DX-J21,DX-J11)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED ,RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   POLYPROPYLENE CAPACITOR

■ Front end section 1 (DX-J21,DX-J11)

PICKUP ASS'Y

QAL0786-***

(OPA-652PH*)

TRA MECHA ASS'Y
FXL-D20-1M

FEED MOTOR

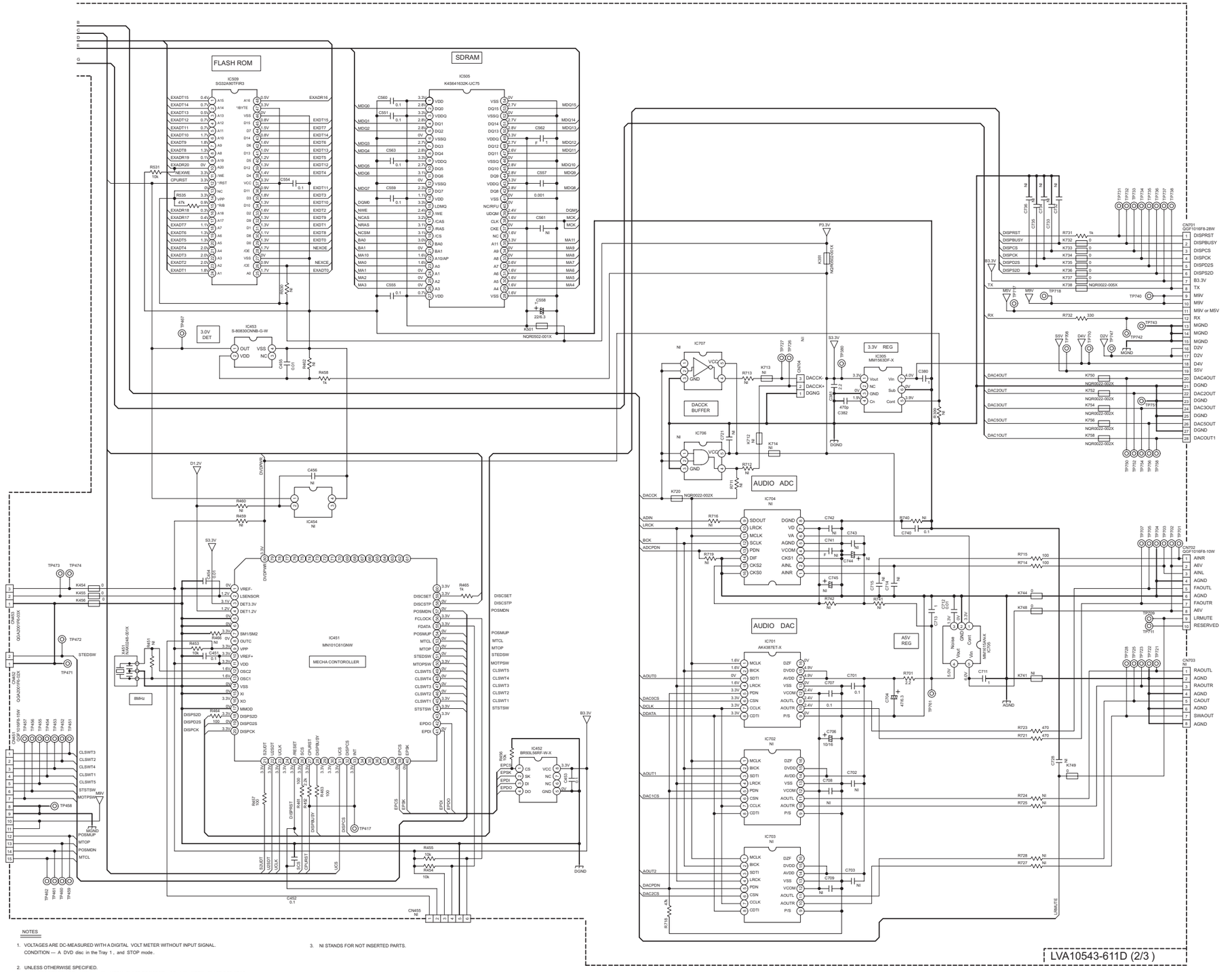
QAR0165-001

SPINDLE MOTOR

QAR0334-002

LVA10543-611D (1/2)

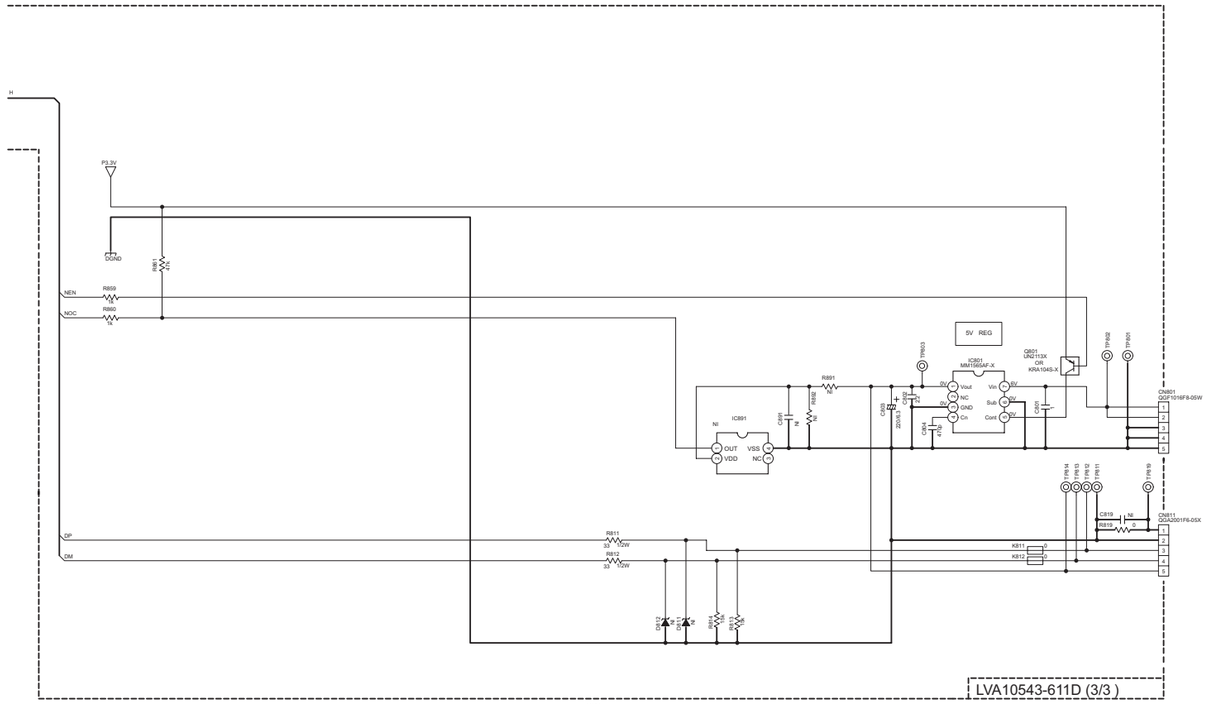
■ Front end section 2 (DX-J21,DX-J11)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION — A DVD disc in the Tray 1, and STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC 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 INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

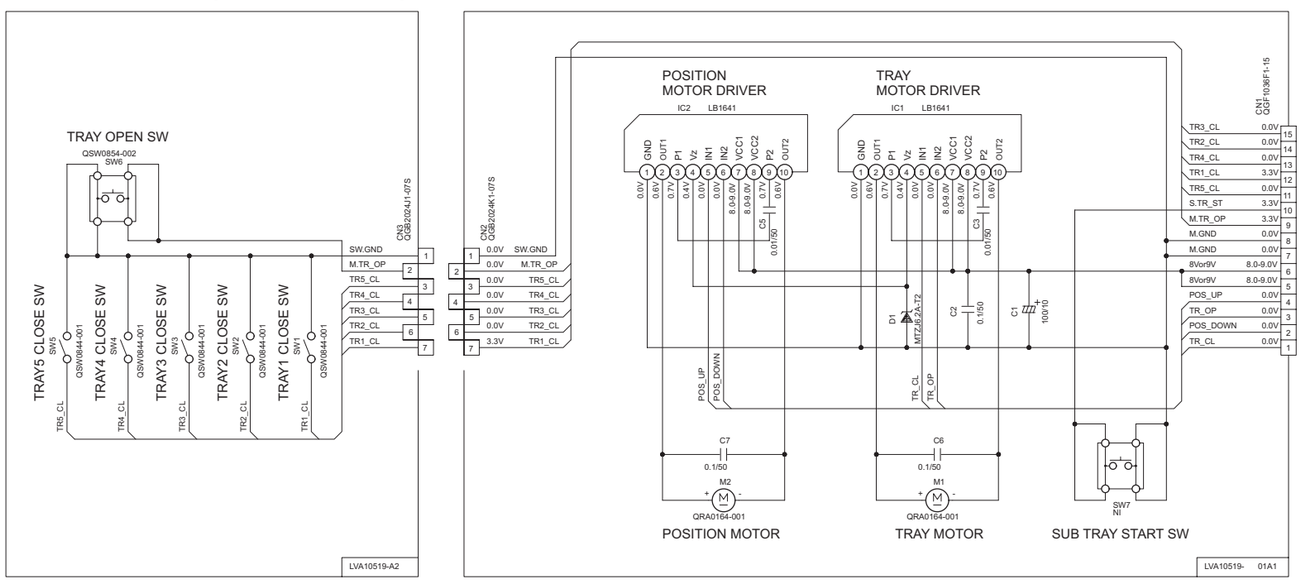
■ Front end section 3 (DX-J21,DX-J11)

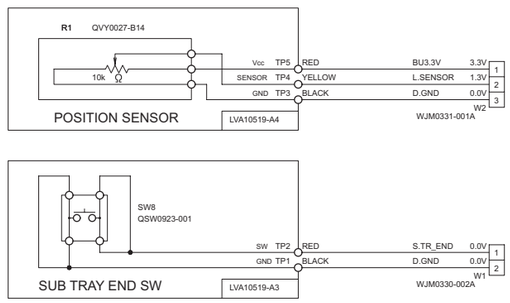


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- A DVD disc in the Tray 1, and STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR .
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN #F(pnpF) .
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V) .
   ALL INDUCTANCE VALUES ARE IN #H(mmHH).
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR

■ Loader section (DX-J21,DX-J11)





NOTES

1.VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
CONDITION: DISC1 STOP

2.UNLESS OTHERWISE SPECIFIED.
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).

3. NI STANDS FOR NOT INSERTED PARTS.

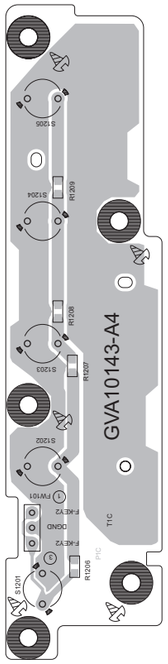
Printed circuit board

■ Main board

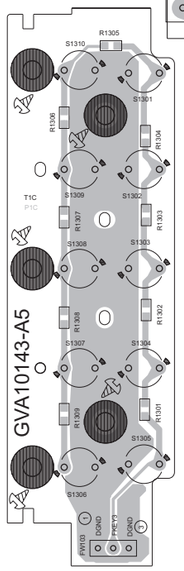
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

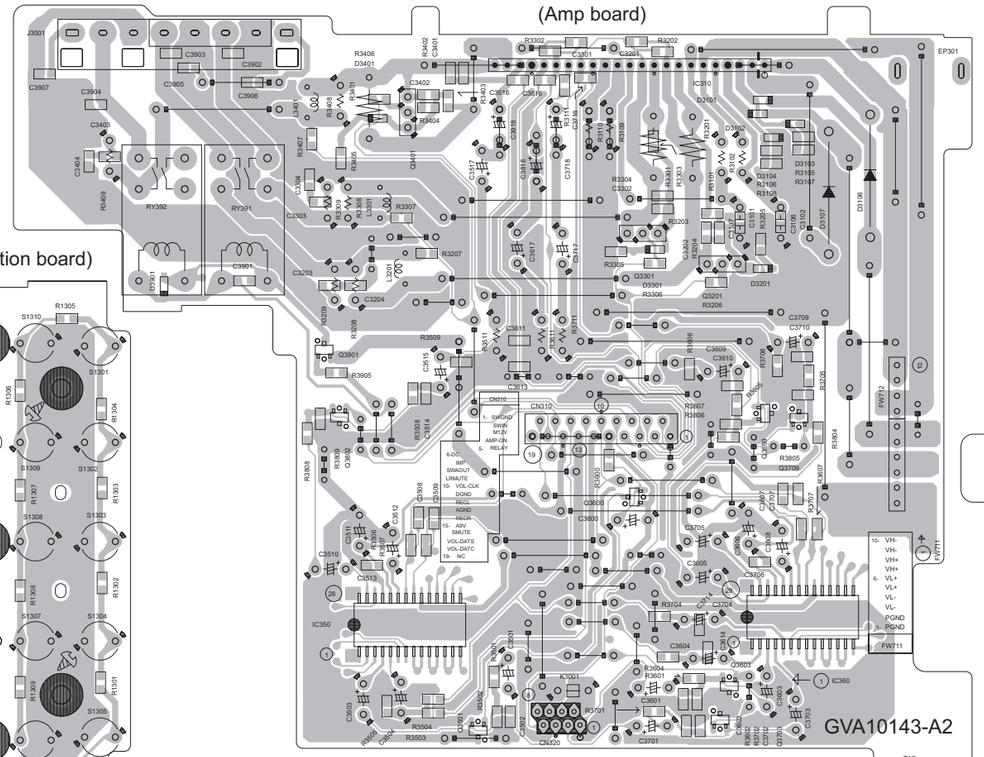
(Eject board)



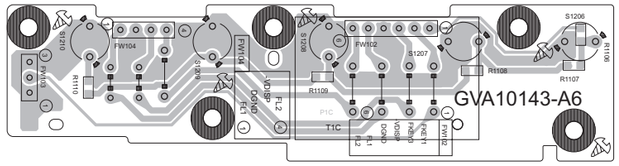
(Function board)



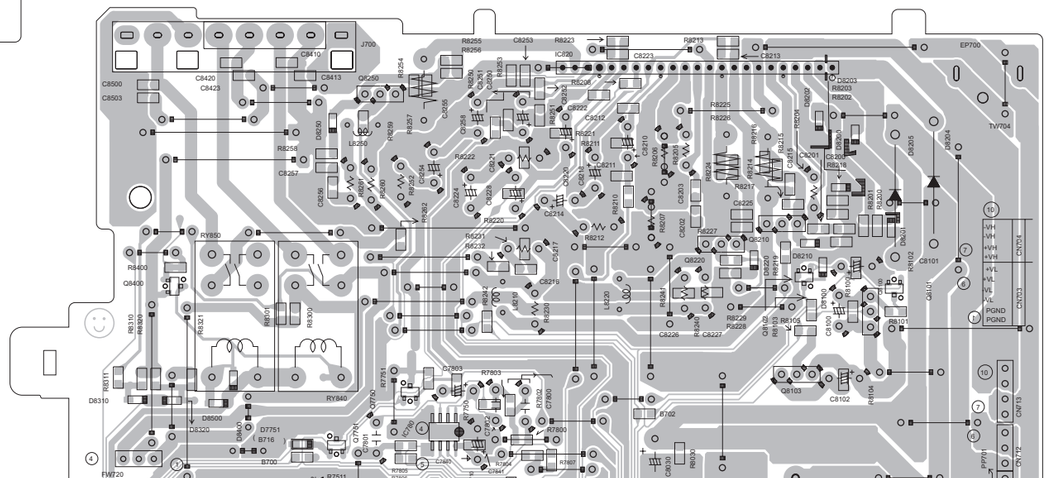
(Amp board)



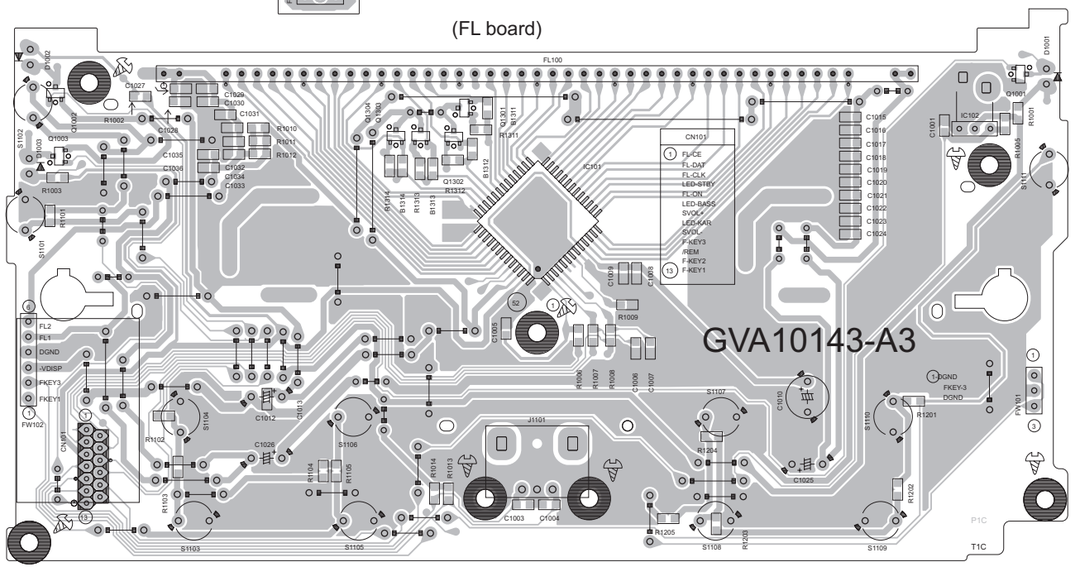
(Play board)



(Main board)



(FL board)

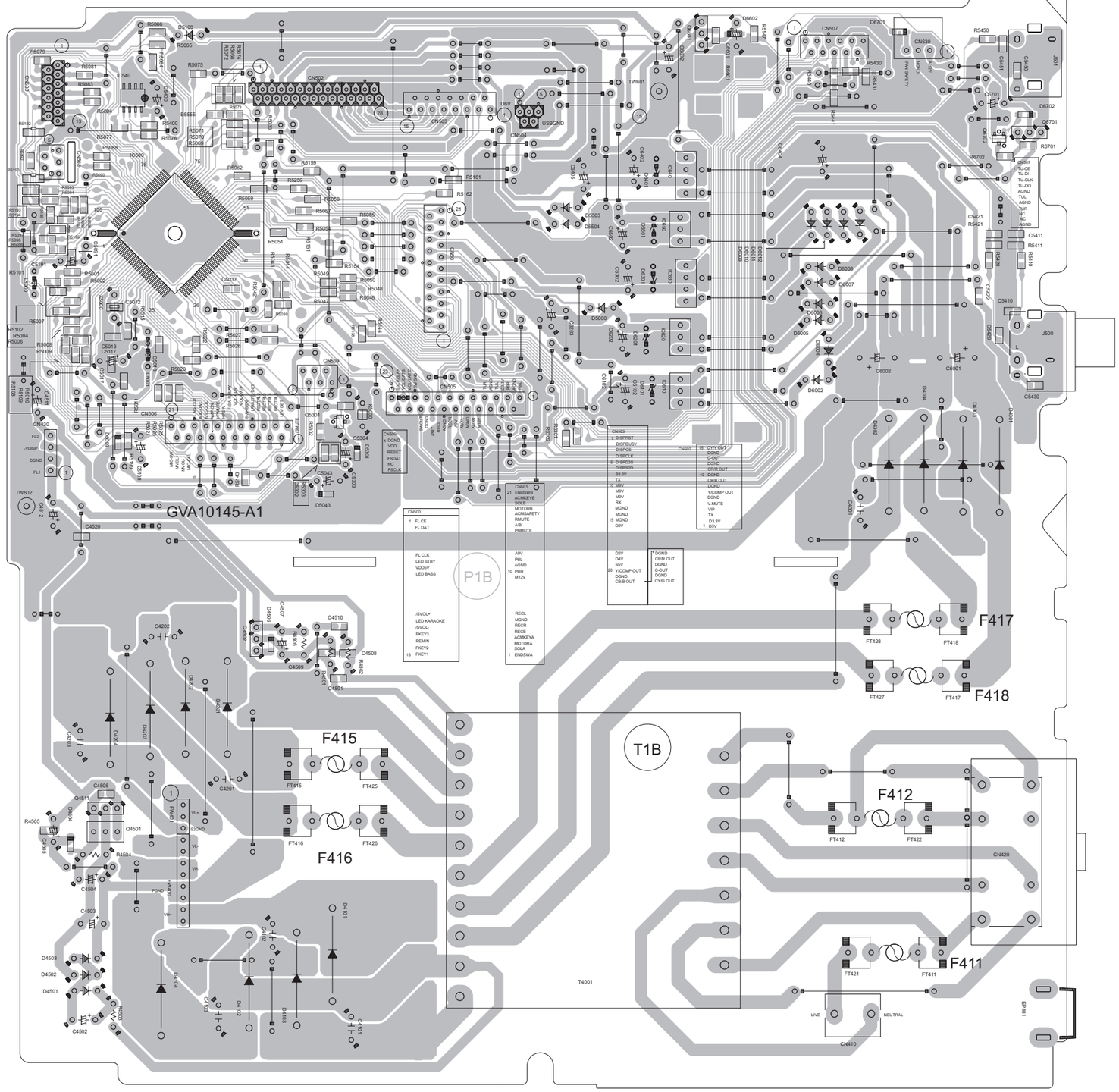


■ Micom board

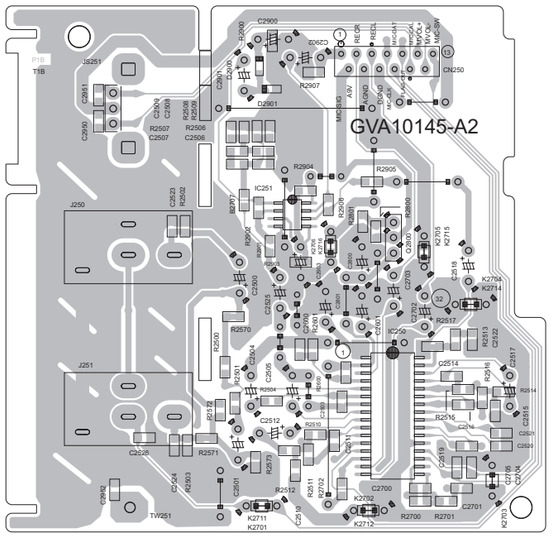
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

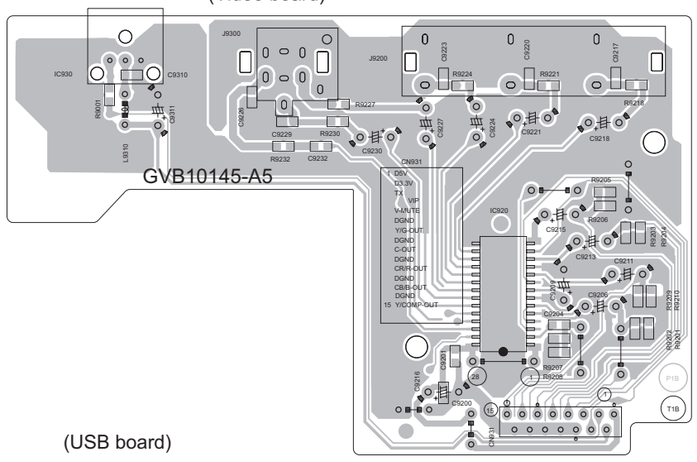
(Micom board)



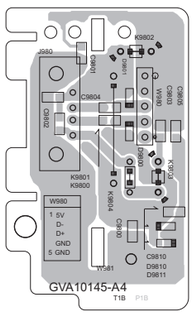
(Mic board)



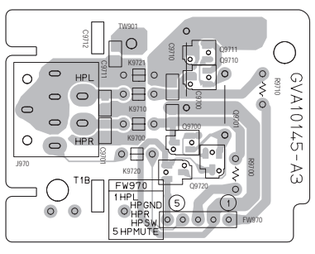
(Video board)



(USB board)



(Headphone board)

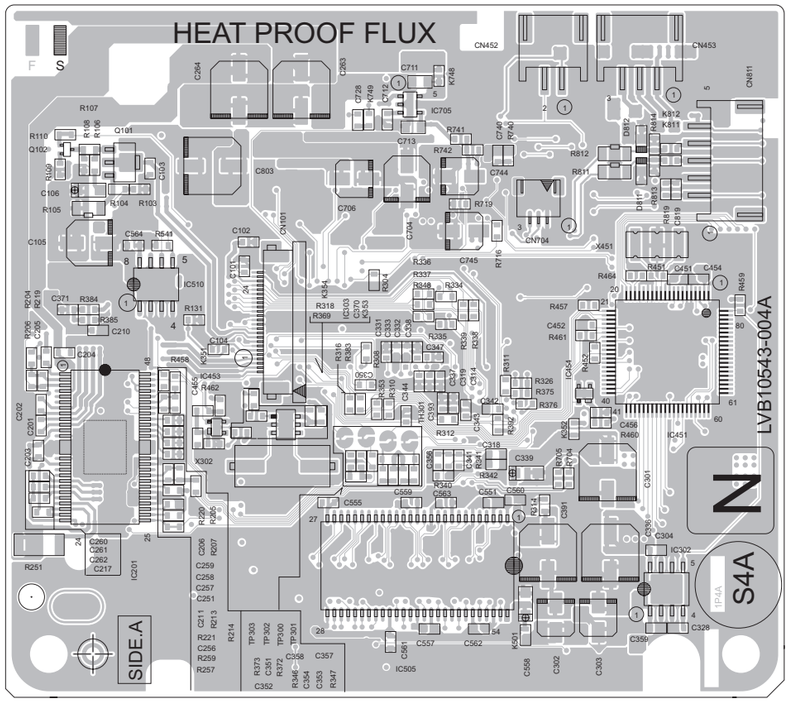


■ Front end board

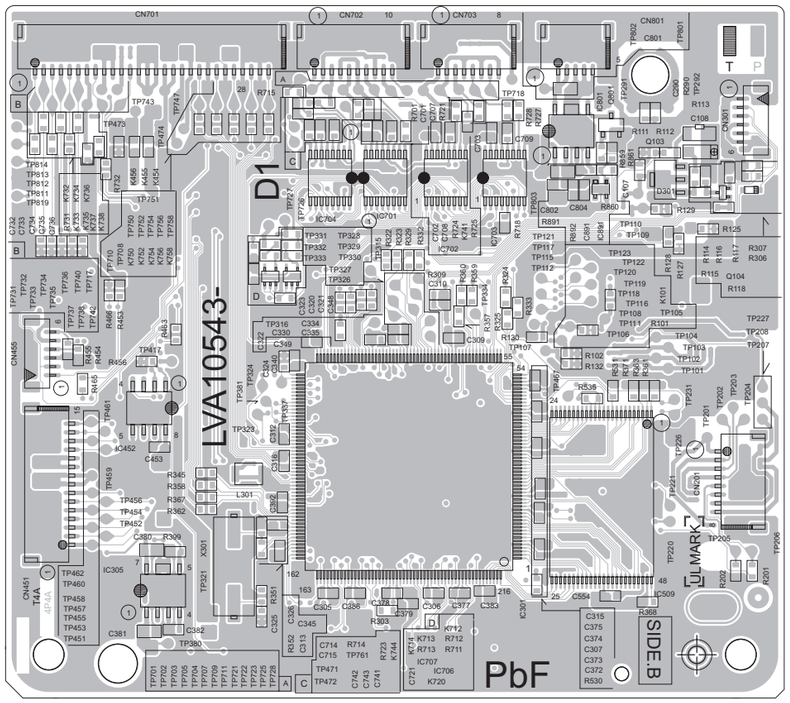
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side

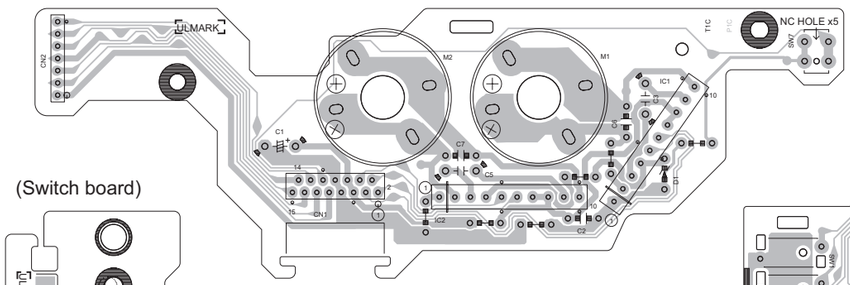


■ Loader board

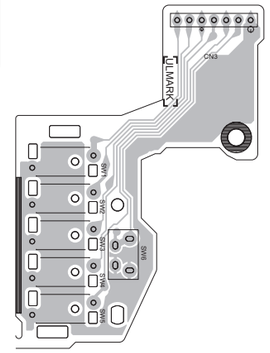
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

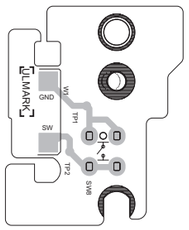
(Motor board)



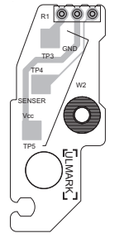
(Tray switch board)



(Switch board)



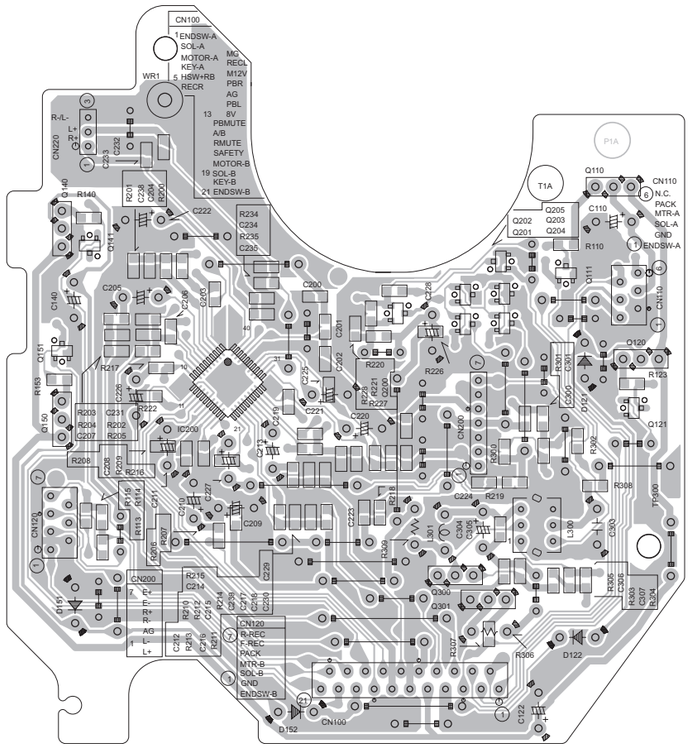
(Sensor board)



■ Cassette board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



< MEMO >

JVC
Victor Company of Japan, Limited
Audio/Video Systems Division 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB666SCH<Rev.005>)

Printed in Japan
VPT

PARTS LIST

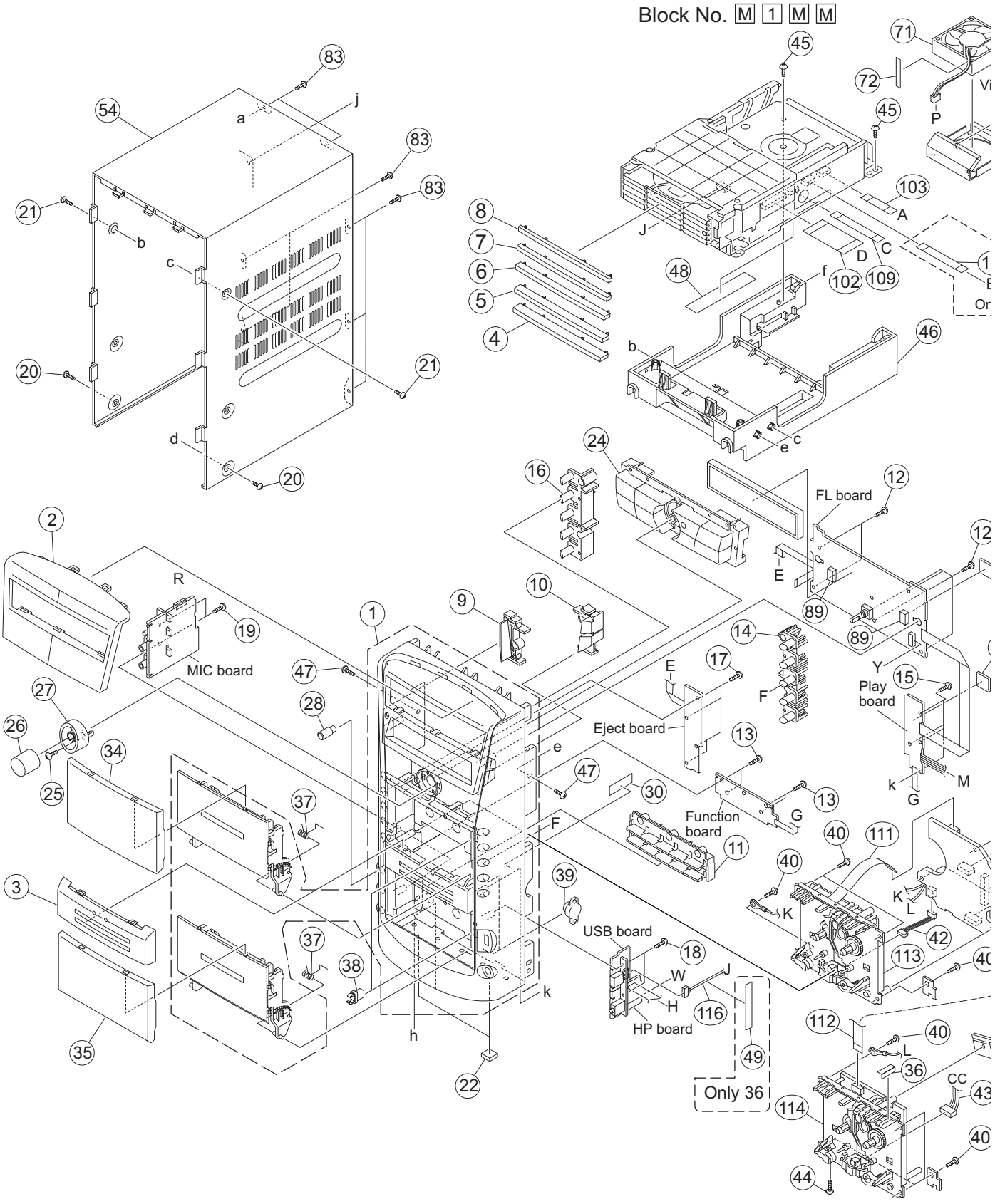
DX-J36UN,DX-J36EE,DX-J36UX
DX-J36UG,DX-J36US,DX-J36UW
DX-J21UN,DX-J21J,DX-J21EE
DX-J21A,DX-J21UW,DX-J21UX
DX-J21UG,DX-J11UN,DX-J11EE
DX-J11UW,DX-J11UX,DX-J11UG
DX-J11UH,DX-J11US

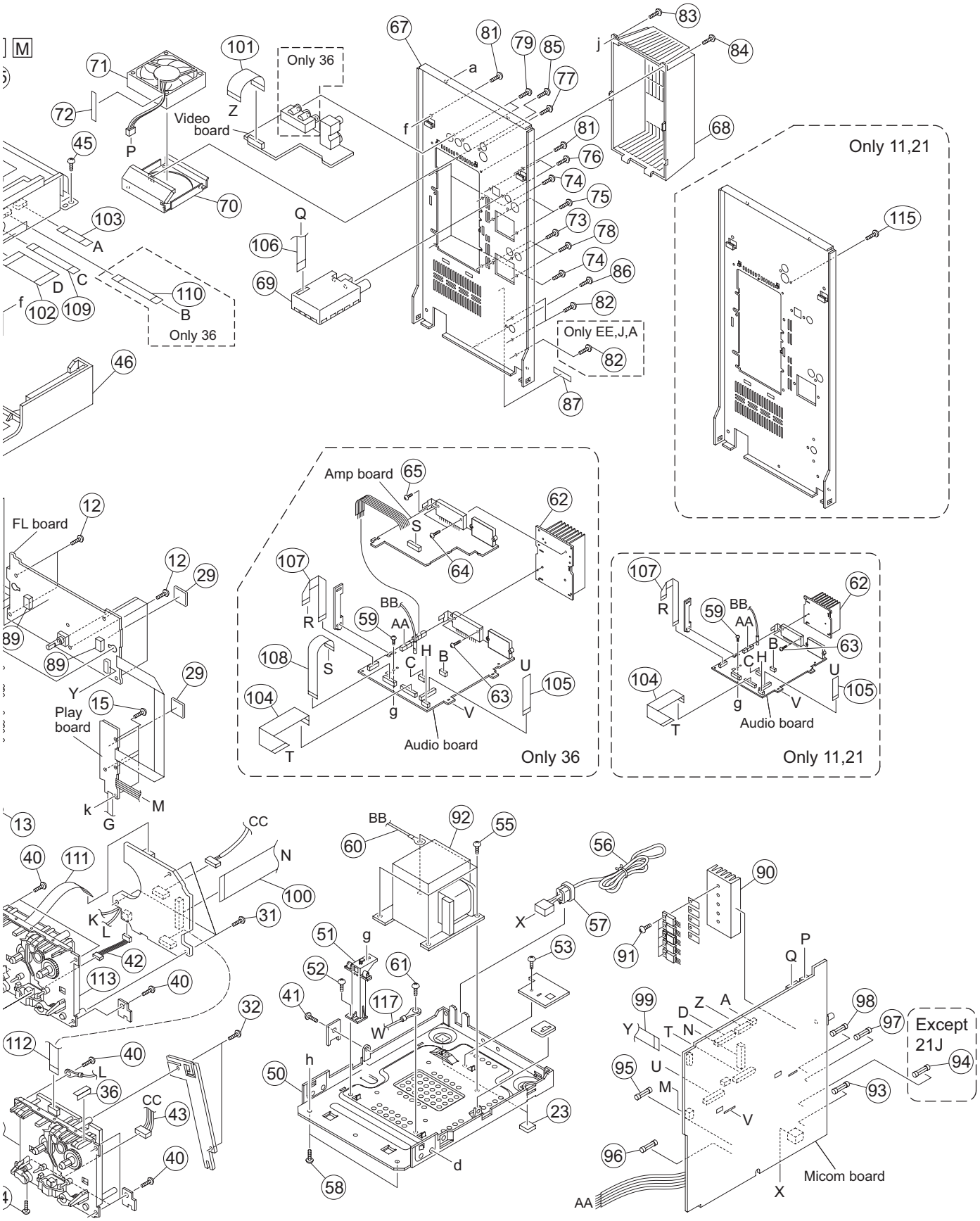
* All printed circuit boards and its assemblies are not available as service parts.

- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
DVD mechanism assembly and parts list (Block No.MJ)---------- 3- 6
DVD changer mechanism assembly and parts list (Block No.MK)
(Only DX-J36 ver.)---------- 3- 8
DVD changer mechanism assembly and parts list (Block No.MT)
(For DX-J21,DX-J11 ver.)---- 3-10
Electrical parts list (Block No.01~10)---------- 3-12
Packing materials and accessories parts list (Block No.M3)
(Except EE ver. & J ver.)---- 3-30
Packing materials and accessories parts list (Block No.M4)
(For EE ver. & J ver.) --------- 3-32

Exploded view of general assembly and parts list





The parts without symbol number are not service.

General Assembly

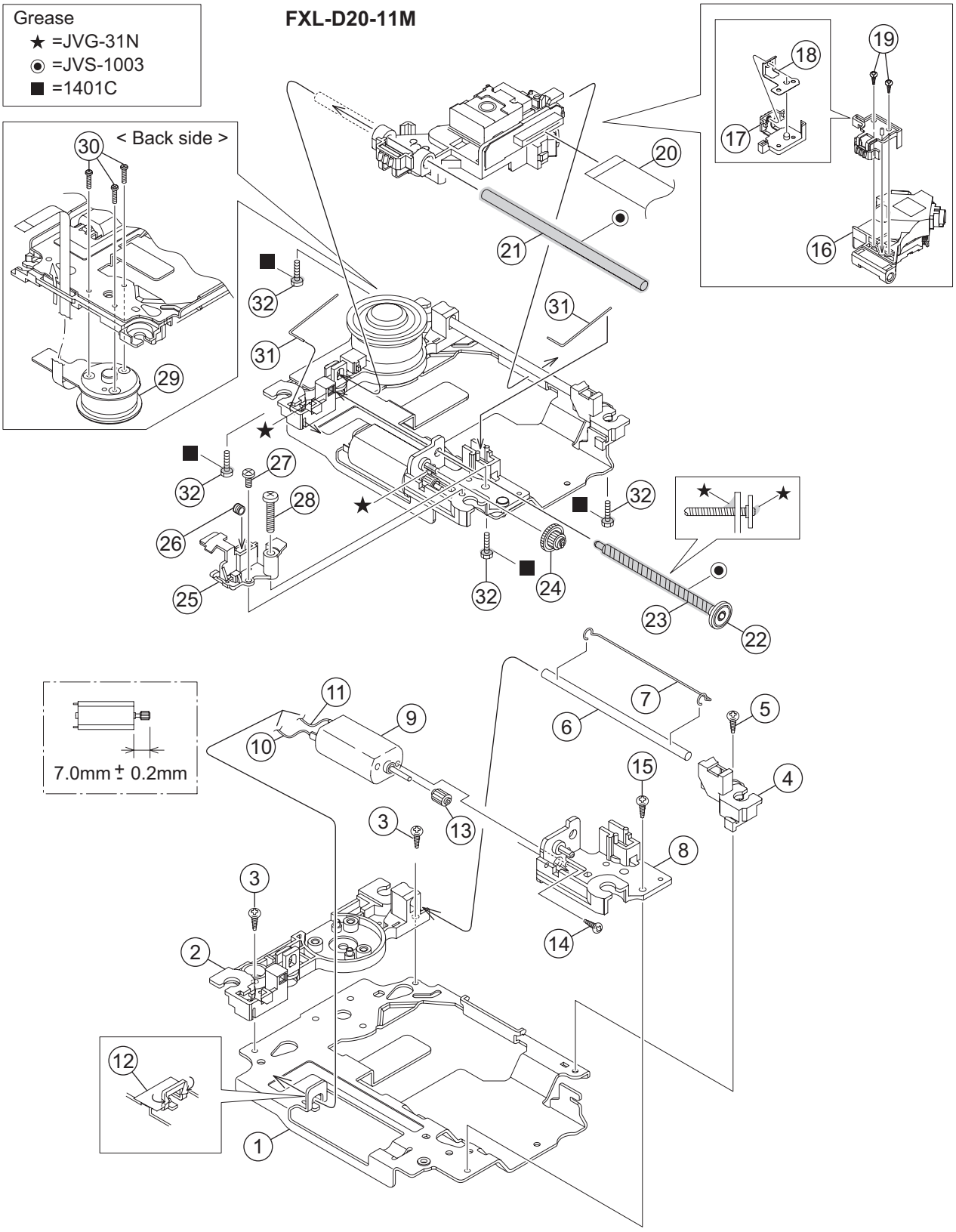
Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10380-003A	FRONT PANEL ASY		36UN,36US,36UW,21UN,11UN,11UH,11US
	1	GV10380-004A	FRONT PANEL ASY		36EE,36UX,36UG,21EE,21A,21UW,21UX,21UG,11EE,11UW,11UX,11UG
	1	GV10380-005A	FRONT PANEL ASY		21J
	2	GV20473-002A	FL LENS		36UN,36EE,36UX,36UG,36US,36UW
	2	GV20473-001A	FL LENS		21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	3	GV31034-004A	BUTTON LENS		36UN,36EE,36UX,36UG,36US,36UW
	3	GV31034-003A	BUTTON LENS		21UN,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	3	GV31034-005A	BUTTON LENS		21J
	4	GV31039-001A	TRAY FITTING 1		
	5	GV31040-001A	TRAY FITTING 2		
	6	GV31041-001A	TRAY FITTING 3		
	7	GV31042-001A	TRAY FITTING 4		
	8	GV31043-001A	TRAY FITTING 5		
	9	GV40750-002A	POWER BTN ASSY		
	10	GV40751-002A	KARAOKE BTN ASS		
	11	GV31031-001A	FUNCTION BUTTON		
	12	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x6)	
	13	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	14	GV31032-002A	DISC PLAY BTTN		
	15	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	16	GV31033-002A	DISC EJECT BTN		
	17	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	18	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	19	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	20	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x2)	
	21	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x2)	
	22	GV40313-001A	FELT SPACER	(x2)	
	23	GV40313-002A	FELT SPACER	(x2)	
	24	GV31045-004A	BUTTON A/B ASSY		36UN,36EE,36UX,36UG,36US,36UW
	24	GV31045-003A	BUTTON A/B ASSY		21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	25	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	26	GV31035-002A	VOLUME KNOB		
	27	GV31036-002A	VOLUME RING		36UN,36EE,36UX,36UG,36US,36UW
	27	GV31036-001A	VOLUME RING		21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	28	GV40741-005A	MIC VOL.KNOB		
	29	GV30349-060A	SPACER	(x2)	
	30	LV30225-074A	SPECER		
	31	QYSDSF2006ZA	TAP SCREW	M2 x 6mm(x3)	
	32	QYSDSF2006ZA	TAP SCREW	M2 x 6mm(x2)	
	34	GV20476-007A	CASS.LENS (A)		36UN,36EE,36UX,36UG,36US,36UW
	34	GV20476-006A	CASS.LENS (A)		21UN,21J,21EE,21A,21UW,21UX,21UG
	34	GV20476-005A	CASS.LENS (A)		11UN,11EE,11UW,11UX,11UG,11UH,11US
	35	GV20477-001A	CASS.LENS (B)		
	36	GV30349-044A	SPACER		
	37	GV40759-002A	DOOR SPRING	(x2)	
	38	GV40220-001A	LATCH	(x2)	
	39	GV40034-001A	DAMPER ASSY	(x2)	
	40	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x8)	
	41	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	42	WJM0484-003A-E	CARD WIRE	W220	
	43	WJN0229-003A-E	CARD WIRE	W200	
	44	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	45	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	46	GV10355-002A	MECHA CHASSIS		
	47	QYSSSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	48	GV30349-073A	SPACER		
	49	GV30349-067A	SPACER		36UN,36EE,36UX,36UG,36US,36UW
	50	GV10253-006A	BOTTOM CHASSIS		
	51	GV30706-001A	SUPPORT BKT		
	52	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	53	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	54	GV10371-003A/S/	METAL COVER		
	55	QYSDSTL4008EA	TAP SCREW	M4 x 8mm(x4)	
⚠	56	QMPK200-200-JD	POWER CORD	2m BLACK	36UN,36EE,36UX,36UG,36US,36UW,21UN,21EE,21UW,21UX,21UG, 11UN,11EE,11UW,11UX,11UG,11US
⚠	56	QMPD330-200-JD	POWER CORD(US/CA)	2m BLACK	21J
⚠	56	QMPG150-244-JC	POWER CORD(AST)	2.44m BLACK	21A
⚠	56	QMPRB30-200-K2	POWER CORD(EK)	2m BLACK	11UH
	57	QZW0033-001	STRAIN RELIEF		
	58	QYSSST3008ZA	TAP SCREW	M3 x 8mm(x2)	
	59	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
	60	QUB070-18BXEM-E	WIRE	W702	
	61	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	62	GV31044-003A	HEAT SINK		36UN,36EE,36UX,36UG,36US,36UW

⚠	Symbol No.	Part No.	Part Name	Description	Local
	62	GV31044-002A	HEAT SINK		21UN,21J,21EE,21A,21UW,21UX,21UG
	62	GV31044-001A	HEAT SINK		11UN,11EE,11UW,11UX,11UG,11UH,11US
	63	QYSBSG3016EA	TAP SCREW	M3 x 16mm(x2)	
	64	QYSBSG3016EA	TAP SCREW	M3 x 16mm(x2)	36UN,36EE,36UX,36UG,36US,36UW
	65	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	36UN,36EE,36UX,36UG,36US,36UW
	67	GV10370-037A	REAR PANEL		36UN,36US
	67	GV10370-041A	REAR PANEL		36EE
	67	GV10370-036A	REAR PANEL		36UX,36UG
	67	GV10370-044A	REAR PANEL		36UW
	67	GV10370-032A	REAR PANEL		21UN
	67	GV10370-043A	REAR PANEL		21J
	67	GV10370-040A	REAR PANEL		21EE
	67	GV10370-042A	REAR PANEL		21A
	67	GV10370-035A	REAR PANEL		21UW
	67	GV10370-031A	REAR PANEL		21UX,21UG
	67	GV10370-026A	REAR PANEL		11UN,11UH,11US
	67	GV10370-039A	REAR PANEL		11EE
	67	GV10370-029A	REAR PANEL		11UW
	67	GV10370-025A	REAR PANEL		11UX,11UG
	68	GV20334-001A	REAR COVER		36UN,36EE,36UX,36UG,36US,36UW,21UN,21EE,21A,21UW,21UX,21UG, 11UN,11EE,11UW,11UX,11UG,11UH,11US
	68	GV20334-003A	REAR COVER		21J
	69	QAU0492-001	TUNER		
	70	GV31030-001A	FAN BRACKET		
	71	QAR0453-001	FAN		
	72	GV30349-026A	SPACER		
	73	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	74	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	75	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	36UN,36EE,36UX,36UG,36US,36UW
	76	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	77	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	78	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	79	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	36UN,36EE,36UX,36UG,36US,36UW
	81	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	82	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	36UN,36UX,36UG,36US,36UW,21UN,21UW,21UX,21UG, 11UN,11UW,11UX,11UG,11UH,11US
	82	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	36EE,21J,21EE,21A,11EE
	83	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x8)	
	84	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	85	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	86	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	87	GV30893-001A	NUMBER LABEL		
	89	GV30349-077A	SPACER	(x2)	
	90	GV40762-001A	HEAT SINK		
	91	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x5)	
⚠	92	QQT0538-001	POWER TRANSF	T4001	36UN,36EE,36UX,36UG,36US,36UW,21UN,21J,21EE,21A,21UW,21UX,21UG
⚠	92	QQT0535-001	POWER TRANSF	T4001	11UN,11EE,11UW,11UX,11UG,11UH,11US
⚠	93	QMF51W2-4R0-J8	FUSE	F411 4A AC250V	
⚠	94	QMF51W2-2R0-J8	FUSE	F412 2A AC250V	36UN,36EE,36UX,36UG,36US,36UW,21UN,21EE,21A,21UW,21UX,21UG, 11UN,11EE,11UW,11UX,11UG,11UH,11US
⚠	95	QMF51W2-6R3-J8	FUSE	F415 6.3A AC250V	
⚠	96	QMF51W2-6R3-J8	FUSE	F416 6.3A AC250V	
⚠	97	QMF51W2-4R0-J8	FUSE	F417 4A AC250V	
⚠	98	QMF51W2-4R0-J8	FUSE	F418 4A AC250V	
	99	QUR110-1312AJ-E	FFC WIRE	FC101	
	100	QUQU12-2113BJ-E	FFC WIRE	FC501 21pin 13cm	
	101	QUQU12-1521AJ-E	FFC WIRE	FC931 15pin 21cm	
	102	QUR110-2813AJ-E	FFC WIRE	FC503	
	103	QUR110-0511AJ-E	FFC WIRE	FC504	
	104	QUQU12-2314AJ-E	FFC WIRE	FC505 23pin 14cm	36UN,36EE,36UX,36UG,36US,36UW
	104	QUQU12-1714AJ-E	FFC WIRE	FC505 17pin 14cm	21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	105	QUQU12-2108AJ-E	FFC WIRE	FC506 21pin 8cm	
	106	QUQU12-1111AJ-E	FFC WIRE	FC507 11pin 11cm	
	107	QUQU12-1312AJ-E	FFC WIRE	FC250 13pin 12cm	
	108	QUQU12-1719AJ-E	FFC WIRE	FC310 17pin 19cm	36UN,36EE,36UX,36UG,36US,36UW
	109	QUR110-1021AJ-E	FFC WIRE	FC730	36UN,36EE,36UX,36UG,36US,36UW
	109	QUR110-1020AJ-E	FFC WIRE	FC730	21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	110	QUR110-0818AJ-E	FFC WIRE	FC320	36UN,36EE,36UX,36UG,36US,36UW
	111	QUQU12-0606AJ-E	FFC WIRE	FC110 6pin 6cm	
	112	QUQU12-0710BJ-E	FFC WIRE	FC120 7pin 10cm	
	113	QAL0966-002	C.MECHA ASSY		
	114	QAL0968-001	C.MECHA ASSY		
	115	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	21UN,21J,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
	116	WJP0096-002A-E	WIRE	W980	36UN,36EE,36UX,36UG,36US,36UW
	117	QUB130-15DMPP-E	WIRE	W981	36UN,36EE,36UX,36UG,36US,36UW

DVD mechanism assembly and parts list

Block No. M J M M



The parts without symbol number are not service.

DVD mechanism

Block No. [M][J][M][M]

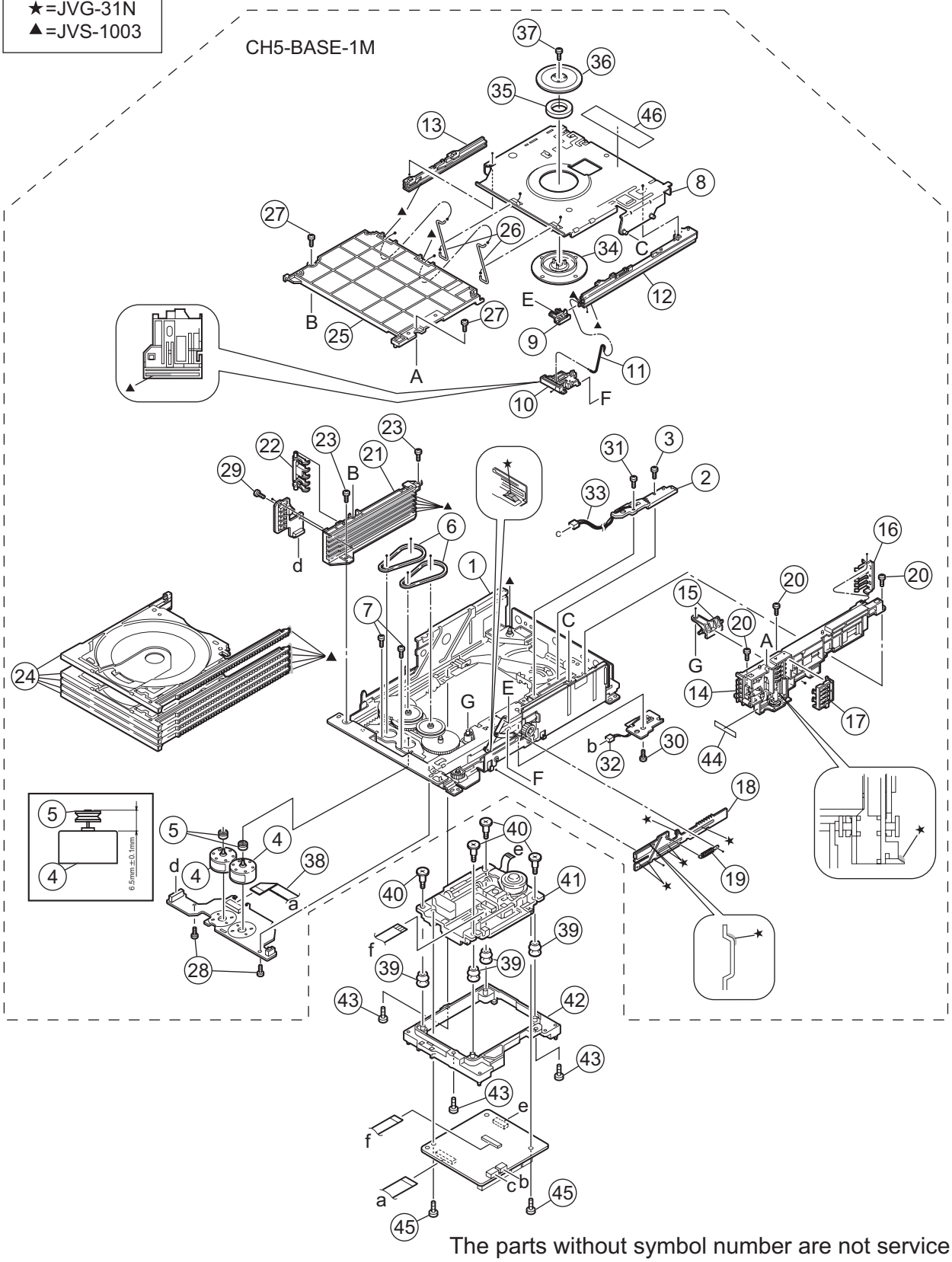
⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV22234-001A	TM.CHASSIS		
	2	LV22294-001A	C.SPINDLE BASE		
	3	QYSDST2005ZA	TAP SCREW	M2 x 5mm(x2)	
	4	LV36791-001A	C.G.S.HOLDER		
	5	QYSDST2005ZA	TAP SCREW	M2 x 5mm	
	6	LV44041-002A	GUIDE SHAFT		
	7	LV44479-001A	BAR SPRING		
	8	LV22236-001A	FEED HOLDER		
	9	QAR0165-001	FEED MOTOR		
	10	QUB549-05A1A1-E	SIN TWIST WIRE		
	11	QUB544-05A1A1-E	SIN TWIST WIRE		
	12	LV30225-0X5A	SPACER		
	13	LV36557-001A	F.M.GEAR		
	14	QYSPSPT2030MA	SCREW	M2 x 3mm	
	15	QYSDST2005ZA	TAP SCREW	M2 x 5mm	
	16	QAL0786-004	P.UP		
	17	LV22237-001A	RACK ARM		
	18	LV36560-001A	RACK ARM SPRING		
	19	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	20	QUQK05-2415AC-E	FFC WIRE	24pin 15cm	
	21	LV44041-002A	GUIDE SHAFT		
	22	LV36559-001A	L.S.GEAR		
	23	LV41517-003A	LEAD SCREW		
	24	LV36558-001A	MIDDLE GEAR		
	25	LV36556-001A	SPRING HOLDER		
	26	LV44623-001A	COMP.SPRING		
	27	QYSDST2005ZA	TAP SCREW	M2 x 5mm	
	28	QYSDST2616MA	TAP SCREW	M2.6 x 16mm	
	29	QAR0334-002	S.MOTOR		
	30	QYSPSPU1775ZA	SCREW	M1.7 x 7.5mm(x3)	
	31	LV44042-001A	ROD SPRING	(x2)	
	32	LE40858-002A	SPECIAL SCREW	(x4)	

DVD changer mechanism assembly and parts list (Only J36 ver)

FMU-SB6-1M

Block No. M K M M

Grease
★=JVG-31N
▲=JVS-1003



The parts without symbol number are not service.

DVD changer mechanism (Only J36 ver)

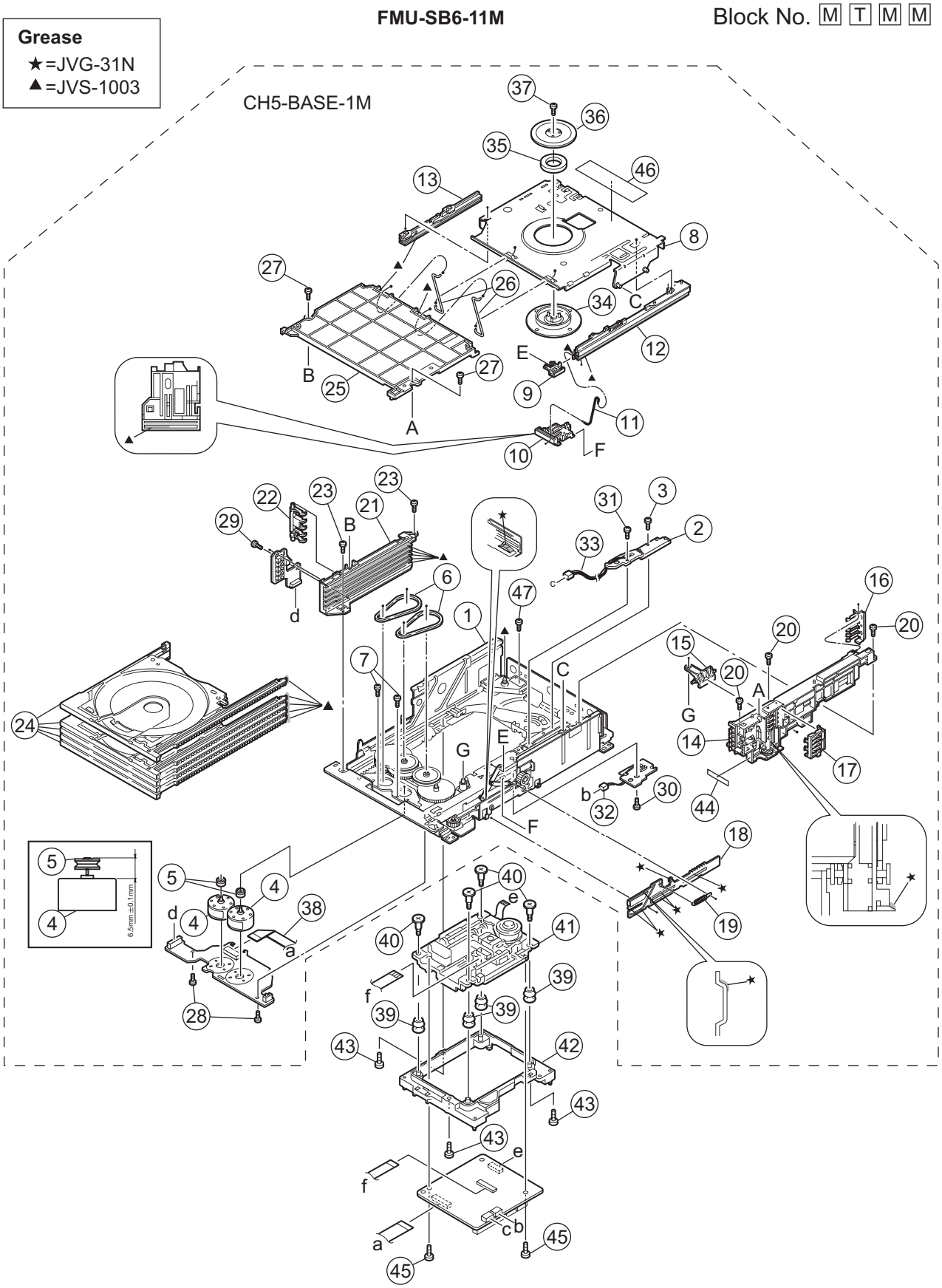
Block No. [M][K][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10913-001A	LOADER ASSY		
	2	QVY0027-B14	S V RESISTOR		
	3	QYSDST2004Z	SCREW	2mm x 4mm	
	4	QAR0164-001	MOTOR	(x2)	
	5	LV42340-001A	MOTOR PULLEY	(x2)	
	6	LV41431-002A	BELT	(x2)	
	7	QYSPSPU1725N	SCREW	1.7mm x 2.5mm(x2)	
	8	LV33965-004A	LIFTER ASSY		
	9	LV33963-001A	HOOK		
	10	LV33964-002A	HOOK STOPPER		
	11	LV43285-001A	ROD (L)		
	12	LV21408-002A	RAIL(R)		
	13	LV21409-002A	RAIL(L)		
	14	LV21520-004A	SIDE(R) ASSY		
	15	LV33974-001A	SELECT LEVER		
	16	LV33977-002A	CLICK SPRING		
	17	LV33975-001A	GEAR COVER		
	18	LV33976-001A	ELEVATOR CAM		
	19	LV43287-001A	ELEVATOR SPRING		
	20	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
	21	LV10749-002A	SIDE(L)		
	22	LV33980-001A	OPEN DET.LEVER		
	23	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
	24	LV10746-003A	TRAY ASSY	(x5)	
	25	LV10750-002A	TOP COVER		
	26	LV43289-002A	ROD	(x2)	
	27	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
	28	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
	29	QYSDSF2608Z	SCREW	2.6mm x 8mm	
	30	QYSDST2605Z	SCREW	2.6mm x 5mm	
	31	QYSDST2004Z	SCREW	2mm x 4mm	
	32	WJM0330-002A	E-SI C WIRE C-F		
	33	WJM0331-001A	E-SI C WIRE C-F		
	34	LV32417-001A	CLAMPER		
	35	LV42930-003A	P.C.MAGNET		
	36	LV33992-001A	DVD YOKE		
	37	LV41741-001A	SPECIAL SCREW		
	38	QUQ110-1508BJ	FFC WIRE		
	39	LV44043-001A	INSULATOR	(x4)	
	40	LV44045-001A	SPECIAL SCREW	(x4)	
	41	----------	DVD TRAMECHA		
	42	LV11281-002A	TM CB HOLDER		
	43	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	44	LV30227-044A	SPACER		
	45	LV44209-001A	WASHER SCREW	(x2)	
	46	LV44603-003A	LASER CAUTION		

DVD changer mechanism assembly and parts list (For J21 & J11 ver)

FMU-SB6-11M Block No. M T M M

Grease
★=JVG-31N
▲=JVS-1003



The parts without symbol number are not service.

DVD changer mechanism (For J21 & J11 ver)

Block No. [M][T][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10913-004A	LOADER ASSY		
	2	QVY0027-B14	S V RESISTOR		
	3	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	4	QAR0164-001	MOTOR	(x2)	
	5	LV42340-001A	MOTOR PULLEY	(x2)	
	6	LV41431-002A	BELT	(x2)	
	7	QYSPSPU1725NA	SCREW	M1.7 x 2.5mm(x2)	
	8	LV33965-004A	LIFTER ASSY		
	9	LV33963-001A	HOOK		
	10	LV33964-002A	HOOK STOPPER		
	11	LV43285-001A	ROD (L)		
	12	LV21408-002A	RAIL(R)		
	13	LV21409-002A	RAIL(L)		
	14	LV21520-004A	SIDE(R) ASSY		
	15	LV33974-002A	SELECT LEVER		
	16	LV33977-002A	CLICK SPRING		
	17	LV33975-001A	GEAR COVER		
	18	LV33976-002A	ELEVATOR CAM		
	19	LV43287-001A	ELEVATOR SPRING		
	20	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	21	LV10749-002A	SIDE(L)		
	22	LV33980-002A	OPEN DET.LEVER		
	23	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	24	LV10746-006A	TRAY ASSY	(x5)	
	25	LV10750-003A	TOP COVER		
	26	LV43289-003A	ROD	(x2)	
	27	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	28	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	29	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	30	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm	
	31	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	32	WJM0330-002A-E	E-SI C WIRE C-F		
	33	WJM0331-001A-E	E-SI C WIRE C-F		
	34	LV32417-001A	CLAMPER		
	35	LV42930-003A	P.C.MAGNET		
	36	LV33992-001A	DVD YOKE		
	37	LV41741-003A	SPECIAL SCREW		
	38	QUQ110-1508BJ	FFC WIRE	15pin 8cm	
	39	LV44043-001A	INSULATOR	(x4)	
	40	LV44045-001A	SPECIAL SCREW	(x4)	
	41	----------	DVD TRAMECHA		
	42	LV11281-002A	TM CB HOLDER		
	43	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	44	LV30227-044A	SPACER		
	45	LV44209-001A	WASHER SCREW	(x2)	
	46	LV44603-003A	LASER CAUTION		
	47	QYSDST2605ZA	SCREW	M2.6 x 5 mm	

Electrical parts list

AMP board (Only J36 ver)

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC101	PT6324-HT	FL DRIVER		
IC102	GP1UM281XKVF	IR DETECT UNIT		
⚠ IC310	STK433-240A-E	POWER IC		
IC350	R2S15904SP-X	IC		
IC360	R2S15904SP-X	IC		
IC700	NJM4565E-X	IC		
IC710	NJM4565E-X	IC		
IC730	R2S15207FP-X	IC		
IC750	NJM4565E-X	IC		
IC751	TC4066BFT-X	IC(DIGITAL)		
IC770	RT3Y97M-X	TR ARRAY		
IC780	NJM4565E-X	IC		
⚠ IC820	STK415-100-E	POWER IC		
Q1001	RT1N140C-X	DIGI TRANSISTOR		
Q1002	RT1N140C-X	DIGI TRANSISTOR		
Q1003	RT1N140C-X	DIGI TRANSISTOR		
Q3201	KTC3199/GL/-T	TRANSISTOR		
Q3301	KTC3199/GL/-T	TRANSISTOR		
Q3401	KTC3199/GL/-T	TRANSISTOR		
Q3609	RT6N140C-X	CHIP TR		
Q3709	RT6N140C-X	CHIP TR		
Q3802	RT6N140C-X	CHIP TR		
Q3901	2SC3928A/QR/-X	TRANSISTOR		
Q7400	RT6N140C-X	CHIP TR		
Q7405	RT6N140C-X	CHIP TR.		
Q7410	RT6N140C-X	CHIP TR.		
Q7415	RT6N140C-X	CHIP TR.		
Q7420	2SC5938A/B/-X	TRANSISTOR		
Q7430	2SC5938A/B/-X	TRANSISTOR		
Q7515	RT1N441C-X	TRANSISTOR		
Q7516	RT1N441C-X	TRANSISTOR		
Q7600	RT6N140C-X	CHIP TR		
Q7605	RT6N140C-X	CHIP TR		
Q7610	RT6N140C-X	CHIP TR		
Q7615	RT6N140C-X	CHIP TR		
Q7620	RT6N140C-X	CHIP TR		
Q7630	RT6N140C-X	CHIP TR		
Q7750	RT6N140C-X	CHIP TR		
Q7751	RT6N140C-X	CHIP TR		
Q8100	KTC3200/GL/-T	TRANSISTOR		
Q8101	ISA1530AC1/QR/X	TRANSISTOR		
Q8102	2SC3928A/QR/-X	TRANSISTOR		
Q8103	KTA1268/GL/-T	TRANSISTOR		
Q8210	KTC3199/GL/-T	TRANSISTOR		
Q8220	KTC3199/GL/-T	TRANSISTOR		
Q8400	2SC3928A/QR/-X	TRANSISTOR		
D1001	SLR-343VC-T	LED		
D1002	SLR-343VC-T	LED		
D1003	SLR-343VC-T	LED		
D3201	MA111-X	SI DIODE		
D3301	MA111-X	SI DIODE		
D3401	MA111-X	SI DIODE		
D3901	MA111-X	SI DIODE		
D7440	MA111-X	SI DIODE		
D7441	MA111-X	SI DIODE		
D7442	MA111-X	SI DIODE		
D7640	MA111-X	SI DIODE		
D7641	MA111-X	SI DIODE		
D7642	MA111-X	SI DIODE		
D8100	MA111-X	SI DIODE		
D8200	UDZW15B-X	Z DIODE		
D8201	UDZW36B-X	Z DIODE		
D8202	UDZW15B-X	Z DIODE		
D8203	UDZW36B-X	Z DIODE		
D8204	1N5402M-20	SI DIODE		
D8205	1N5402M-20	SI DIODE		
D8210	MA111-X	SI DIODE		
D8220	MA111-X	SI DIODE		
D8310	MA111-X	SI DIODE		
D8320	MA111-X	SI DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
D8400	MA111-X	SI DIODE		
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1012	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3201	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3202	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3301	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3302	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3303	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3304	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3401	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3402	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3403	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3404	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3503	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3504	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C3510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3511	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3512	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3514	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C3515	QEZ0863-106Z	M CAPACITOR	10uF	
C3516	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3517	QEZ0863-226Z	E CAPACITOR	22uF	
C3603	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3604	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C3605	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C3608	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3609	QEZ0863-106Z	M CAPACITOR	10uF	
C3610	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C3616	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3617	QEZ0863-226Z	E CAPACITOR	22uF	
C3703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3704	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C3705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C3709	QEZ0863-106Z	M CAPACITOR	10uF	
C3710	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C3716	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3717	QEZ0863-226Z	E CAPACITOR	22uF	
C3718	QEZ0863-226Z	E CAPACITOR	22uF	
C3818	QEZ0863-226Z	E CAPACITOR	22uF	
C3901	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3918	QEZ0863-226Z	E CAPACITOR	22uF	
C7000	QEZ0863-106Z	M CAPACITOR	10uF	
C7001	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C7002	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C7040	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C7050	QEZ0863-107Z	E CAPACITOR	100uF	
C7100	QEZ0863-106Z	M CAPACITOR	10uF	
C7101	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C7110	QEZ0863-106Z	M CAPACITOR	10uF	
C7111	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C7140	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C7300	QEZ0863-336Z	E CAPACITOR	33uF	
C7301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7303	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7304	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7306	QEZ0863-106Z	M CAPACITOR	10uF	
C7307	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	
C7308	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7309	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J	
C7310	QEZ0863-336Z	E CAPACITOR	33uF	
C7311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7312	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7313	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7314	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7316	QEZ0863-106Z	M CAPACITOR	10uF	
C7317	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	
C7318	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7319	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C7321	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7322	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7323	QEZ0863-336Z	E CAPACITOR	33uF	
C7324	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7331	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7332	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7333	QEZ0863-336Z	E CAPACITOR	33uF	
C7334	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7340	QEZ0863-476Z	E CAPACITOR	47uF	
C7343	QEZ0863-107Z	E CAPACITOR	100uF	
C7344	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7345	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7442	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7445	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7501	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C7502	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C7503	QEZ0863-106Z	M CAPACITOR	10uF	
C7511	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C7512	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C7513	QEZ0863-106Z	M CAPACITOR	10uF	
C7515	QETM1AM-228	E CAPACITOR	2200uF 10V M	
C7540	QEZ0863-476Z	E CAPACITOR	47uF	
C7642	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7645	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7700	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7803	QEZ0863-476Z	E CAPACITOR	47uF	
C8000	QEZ0510-478	E CAPACITOR	4700uF M	
C8010	QEZ0510-478	E CAPACITOR	4700uF M	
C8020	QEZ0743-478	E CAPACITOR	4700uF 35V M	
C8030	QEZ0743-478	E CAPACITOR	4700uF 35V M	
C8100	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8101	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8200	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8201	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8202	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8210	QEZ0863-106Z	M CAPACITOR	10uF	
C8211	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C8212	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8213	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C8214	QEZ0863-476Z	E CAPACITOR	47uF	
C8216	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8218	QEZ0863-476Z	E CAPACITOR	47uF	
C8220	QEZ0863-106Z	M CAPACITOR	10uF	
C8221	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C8222	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8223	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C8224	QEZ0863-476Z	E CAPACITOR	47uF	
C8226	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8227	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8228	QEZ0863-476Z	E CAPACITOR	47uF	
R1001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1009	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1013	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1103	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1104	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1105	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1106	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1108	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1110	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1201	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1203	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1204	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1205	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1206	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1207	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1208	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1303	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1304	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1305	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1306	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1307	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1308	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1309	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
⚠ R3101	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
⚠ R3102	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R3111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠ R3201	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R3202	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3203	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3204	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3205	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3207	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3208	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠ R3209	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R3301	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R3302	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3305	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3306	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
⚠ R3308	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠ R3309	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠ R3401	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R3402	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3404	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3405	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3406	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
⚠ R3408	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠ R3409	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R3501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3509	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R3511	QRJ146J-561X	UNF C RESISTOR	560Ω 1/4W J	
R3601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3606	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R3611	QRJ146J-561X	UNF C RESISTOR	560Ω 1/4W J	
R3701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3705	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3706	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R3711	QRJ146J-561X	UNF C RESISTOR	560Ω 1/4W J	
R3804	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3805	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3807	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3808	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3905	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7003	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7005	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7050	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R7051	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R7100	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7102	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7103	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7110	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7111	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7112	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7113	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7300	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7301	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R7310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7311	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R7321	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7322	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7331	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7332	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7344	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7345	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7400	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7405	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7406	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7410	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7411	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7415	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7434	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7440	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7442	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R7443	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7444	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R7502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7509	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7512	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7513	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7515	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7519	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7600	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7610	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7615	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7630	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7642	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7643	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7644	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R7700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7701	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	
R7710	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7711	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	
R7750	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7751	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7800	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7806	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8000	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8010	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8020	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8030	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8105	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8200	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8201	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8202	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8203	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
⚠ R8204	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
⚠ R8205	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R8208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8211	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8212	QRJ146J-471X	UNF C RESISTOR	470Ω 1/4W J	
R8213	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8214	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R8215	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R8217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8218	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8219	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8221	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8222	QRJ146J-471X	UNF C RESISTOR	470Ω 1/4W J	
R8223	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8224	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R8225	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R8227	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8228	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8229	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠ R8230	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠ R8231	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R8232	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
⚠ R8240	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠ R8241	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R8242	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8300	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8301	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8311	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R8320	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8321	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
L3201	QQLZ042-R45	COIL	0.45uH	
L3301	QQLZ042-R45	COIL	0.45uH	
L3401	QQLZ042-R45	COIL	0.45uH	
L8210	QQLZ042-R45	COIL	0.45uH	
L8220	QQLZ042-R45	COIL	0.45uH	
CN101	QGF1036F2-13	CONNECTOR	FFC/FPC (1-13)	
CN310	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN320	QGF1036F2-08	CONNECTOR	FFC/FPC (1-8)	
CN700	QGD2504C1-03Z	CONNECTOR	(1-3)	
CN701	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN702	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN705	QGF1208C1-23	CONNECTOR	FFC/FPC (1-23)	
CN706	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN710	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN711	QGD2504C1-03Z	CONNECTOR	(1-3)	
CN712	QGD2504C1-03Z	CONNECTOR	(1-3)	
CN730	QGF1036C2-10	CONNECTOR	FFC/FPC (1-10)	
CN750	QGF1208C1-13	CONNECTOR	FFC/FPC (1-13)	
CN760	QGD2504C1-05Z	CONNECTOR	(1-5)	
EP301	GV40327-001A	IC BOARD HOLDER		
EP700	GV40327-001A	IC BOARD HOLDER	(x0)	36UN, 36EE, 36UX, 36UG, 36UW
FL100	QLF0187-001	FL TUBE		
FW101	QUM023-12Z4Z4-E	FLAT WIRE		
FW102	QUM026-17Z4Z4-E	FLAT WIRE		
FW103	QUM023-10Z4Z4-E	FLAT WIRE		
FW104	QUM024-09DGZ4-E	FLAT WIRE		
FW711	QUM156-09DGZ4-E	FLAT WIRE		
FW720	QUM023-13Z4Z4-E	FLAT WIRE		
J700	QNB0314-001	SPK TERMINAL		
J1101	QSW1060-001	ROTARY SW		
J3001	QNB0315-002	SPEAKER JACK		
K3001	QQR0621-001Z	FERRITE BEADS		
PP702	QNZ0104-001	POST PIN		
RY391	QSK0192-001	RELAY		
RY392	QSK0192-001	RELAY		
RY840	QSK0192-001	RELAY		
S1101	QSW0683-001Z	PUSH SW		
S1102	QSW0683-001Z	PUSH SW		
S1103	QSW0683-001Z	PUSH SW		

⚠ Symbol No.	Part No.	Part Name	Description	Local
S1104	QSW0683-001Z	PUSH SW		
S1105	QSW0683-001Z	PUSH SW		
S1106	QSW0683-001Z	PUSH SW		
S1107	QSW0683-001Z	PUSH SW		
S1108	QSW0683-001Z	PUSH SW		
S1109	QSW0683-001Z	PUSH SW		
S1110	QSW0683-001Z	PUSH SW		
S1111	QSW0683-001Z	PUSH SW		
S1201	QSW0683-001Z	PUSH SW		
S1202	QSW0683-001Z	PUSH SW		
S1203	QSW0683-001Z	PUSH SW		
S1204	QSW0683-001Z	PUSH SW		
S1205	QSW0683-001Z	PUSH SW		
S1206	QSW0683-001Z	PUSH SW		
S1207	QSW0683-001Z	PUSH SW		
S1208	QSW0683-001Z	PUSH SW		
S1209	QSW0683-001Z	PUSH SW		
S1210	QSW0683-001Z	PUSH SW		
S1301	QSW0683-001Z	PUSH SW		
S1302	QSW0683-001Z	PUSH SW		
S1303	QSW0683-001Z	PUSH SW		
S1304	QSW0683-001Z	PUSH SW		
S1305	QSW0683-001Z	PUSH SW		
S1306	QSW0683-001Z	PUSH SW		
S1307	QSW0683-001Z	PUSH SW		
S1308	QSW0683-001Z	PUSH SW		
S1309	QSW0683-001Z	PUSH SW		
S1310	QSW0683-001Z	PUSH SW		
WC800	QZW0112-001	WIRE CLAMP		36EE, 36UX, 36UG, 36US, 36UW

AMP board (For J21 & J11 ver)

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC101	PT6324-HT	FL DRIVER		
IC102	GP1UM281XKVF	IR DETECT UNIT		
IC730	R2S15207FP-X	IC		
IC750	NJM4565E-X	IC		
IC751	TC4066BFT-X	IC(DIGITAL)		
IC770	RT3Y97M-X	TR ARRAY		
IC780	NJM4565E-X	IC		21UN,21J,21EE,21A,21UW,21UX,21UG
⚠ IC820	STK416-100-E	POWER IC		21UN,21J,21EE,21A,21UW,21UX,21UG
⚠ IC820	STK415-100-E	POWER IC		11UN,11EE,11UW,11UX,11UG,11UH,11US
Q1001	RT1N140C-X	DIGI TRANSISTOR		
Q1002	RT1N140C-X	DIGI TRANSISTOR		
Q1003	RT1N140C-X	DIGI TRANSISTOR		
Q7400	RT6N140C-X	CHIP TR		
Q7405	RT6N140C-X	CHIP TR		
Q7410	RT6N140C-X	CHIP TR		
Q7415	RT6N140C-X	CHIP TR		
Q7420	2SC5938A/B/-X	TRANSISTOR		
Q7430	2SC5938A/B/-X	TRANSISTOR		
Q7515	RT1N441C-X	TRANSISTOR		
Q7516	RT1N441C-X	TRANSISTOR		
Q7600	RT6N140C-X	CHIP TR		
Q7605	RT6N140C-X	CHIP TR		
Q7610	RT6N140C-X	CHIP TR		
Q7615	RT6N140C-X	CHIP TR		
Q7620	RT6N140C-X	CHIP TR		
Q7630	RT6N140C-X	CHIP TR		
Q7750	RT6N140C-X	CHIP TR		21UN,21J,21EE,21A,21UW,21UX,21UG
Q8100	KTC3200/GL/-T	TRANSISTOR		
Q8101	ISA1530AC1/QR/X	TRANSISTOR		
Q8102	2SC3928A/QR/-X	TRANSISTOR		
Q8103	KTA1268/GL/-T	TRANSISTOR		
Q8210	KTC3199/GL/-T	TRANSISTOR		
Q8220	KTC3199/GL/-T	TRANSISTOR		
Q8250	KTC3199/GL/-T	TRANSISTOR		21UN,21J,21EE,21A,21UW,21UX,21UG
Q8400	2SC3928A/QR/-X	TRANSISTOR		
D1001	SLR-343VC-T	LED		
D1002	SLR-343VC-T	LED		
D1003	SLR-343VC-T	LED		
D7440	MA111-X	SI DIODE		
D7441	MA111-X	SI DIODE		
D7442	MA111-X	SI DIODE		
D7640	MA111-X	SI DIODE		
D7641	MA111-X	SI DIODE		
D7642	MA111-X	SI DIODE		
D8100	MA111-X	SI DIODE		
D8200	UDZW15B-X	Z DIODE		
D8201	UDZW36B-X	Z DIODE		
D8202	UDZW15B-X	Z DIODE		
D8203	UDZW36B-X	Z DIODE		
D8204	1N5402M-20	SI DIODE		
D8205	1N5402M-20	SI DIODE		
D8210	MA111-X	SI DIODE		
D8220	MA111-X	SI DIODE		
D8250	MA111-X	SI DIODE		21UN,21J,21EE,21A,21UW,21UX,21UG
D8310	MA111-X	SI DIODE		
D8320	MA111-X	SI DIODE		
D8400	MA111-X	SI DIODE		
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1012	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7040	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C7050	QEZ0863-107Z	E CAPACITOR	100uF	
C7140	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C7300	QEZ0863-336Z	E CAPACITOR	33uF	
C7301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7303	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7304	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7306	QEZ0863-106Z	M CAPACITOR	10uF	
C7307	QFG32AJ-472Z	PP CAPACITOR	4700pF 100V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7307	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7308	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7309	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7309	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7310	QEZ0863-336Z	E CAPACITOR	33uF	
C7311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7312	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7313	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7314	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7316	QEZ0863-106Z	M CAPACITOR	10uF	
C7317	QFG32AJ-472Z	PP CAPACITOR	4700pF 100V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7317	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7318	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7319	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG

⚠ Symbol No.	Part No.	Part Name	Description	Local
C7319	QFLC1HJ-822Z	M CAPACITOR	8200pF 50V J	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7321	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7322	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7323	QEZ0863-336Z	E CAPACITOR	33uF	
C7324	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7331	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7332	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7333	QEZ0863-336Z	E CAPACITOR	33uF	
C7334	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7340	QEZ0863-336Z	E CAPACITOR	33uF	21UN,21J,21EE,21A,21UW,21UX,21UG
C7340	QETN1JM-476Z	E CAPACITOR	47uF 63V M	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7343	QEZ0863-107Z	E CAPACITOR	100uF	
C7344	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7345	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7442	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7445	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7501	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C7502	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C7503	QEZ0863-106Z	M CAPACITOR	10uF	
C7511	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C7512	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C7513	QEZ0863-106Z	M CAPACITOR	10uF	
C7515	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	21UN,21J,21EE,21A,21UW,21UX,21UG
C7515	QETM1AM-228	E CAPACITOR	2200uF 10V M	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7540	QEZ0863-336Z	E CAPACITOR	33uF	21UN,21J,21EE,21A,21UW,21UX,21UG
C7540	QETN1JM-476Z	E CAPACITOR	47uF 63V M	11UN,11EE,11UW,11UX,11UG,11UH,11US
C7642	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7645	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7700	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7800	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7801	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7802	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C7803	QEZ0863-336Z	E CAPACITOR	33uF	21UN,21J,21EE,21A,21UW,21UX,21UG
C8000	QEZ0868-568	CAPA	5600uF	21UN,21J,21EE,21A,21UW,21UX,21UG
C8000	QEZ0865-338	E CAPA	3300uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8010	QEZ0868-568	CAPA	5600uF	21UN,21J,21EE,21A,21UW,21UX,21UG
C8010	QEZ0865-338	E CAPA	3300uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8020	QEZ0743-478	E CAPACITOR	4700uF 35V M	21UN,21J,21EE,21A,21UW,21UX,21UG
C8020	QEZ0786-688	E CAPACITOR	6800uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8030	QEZ0743-478	E CAPACITOR	4700uF 35V M	21UN,21J,21EE,21A,21UW,21UX,21UG
C8030	QEZ0786-688	E CAPACITOR	6800uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8100	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8101	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C8200	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8201	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8202	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8210	QTE1J46-106Z	E CAPACITOR	10uF 63V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8210	QEZ0863-106Z	M CAPACITOR	10uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8211	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C8212	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8213	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C8214	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8214	QEZ0863-476Z	E CAPACITOR	47uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8216	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8218	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8218	QEZ0863-476Z	E CAPACITOR	47uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8220	QTE1J46-106Z	E CAPACITOR	10uF 63V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8220	QEZ0863-106Z	M CAPACITOR	10uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8221	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C8222	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8223	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C8224	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8224	QEZ0863-476Z	E CAPACITOR	47uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8226	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8227	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8228	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8228	QEZ0863-476Z	E CAPACITOR	47uF	11UN,11EE,11UW,11UX,11UG,11UH,11US
C8250	QTE1J46-106Z	E CAPACITOR	10uF 63V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8251	NCB31HK-471X	C CAPACITOR	470pF 50V K	21UN,21J,21EE,21A,21UW,21UX,21UG
C8252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C8253	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	21UN,21J,21EE,21A,21UW,21UX,21UG
C8254	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
C8256	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	21UN,21J,21EE,21A,21UW,21UX,21UG
C8257	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	21UN,21J,21EE,21A,21UW,21UX,21UG
C8258	QTE1E46-107Z	E CAPACITOR	100uF 25V	21UN,21J,21EE,21A,21UW,21UX,21UG
R1001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1009	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1013	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1103	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1104	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1105	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1106	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1108	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1110	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1201	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1203	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1204	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1205	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1206	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1207	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1208	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1303	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1304	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1305	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1306	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1307	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1308	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1309	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7050	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R7051	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R7300	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7301	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7301	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7311	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7311	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7321	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7321	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7322	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7322	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7331	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7331	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7332	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7332	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7344	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7345	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7400	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7405	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7406	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7410	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7411	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7415	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7420	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7430	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7434	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7440	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7442	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R7443	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7444	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R7502	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7503	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7509	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7509	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7512	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7512	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7513	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7513	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7515	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7519	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7519	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US
R7600	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7610	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R7615	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7630	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7642	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7643	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7644	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R7700	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7701	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	21UN,21J,21EE,21A,21UW,21UX,21UG
R7701	NRSA63J-623X	MG RESISTOR	62kΩ 1/16W J	11UN,11EE,11UW,11UX,11UG,11UH,11US

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7710	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7711	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7711	NRSA63J-623X	MG RESISTOR	62kΩ 1/16W J	11UN,11EE,11U W,11UX,11UG,1 1UH,11US
R7750	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7751	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7800	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7802	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7803	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R7807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8000	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8010	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8020	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8030	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8105	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8200	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8201	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8202	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8203	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
⚠ R8204	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
⚠ R8205	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R8208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8211	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8212	QRJ146J-471X	UNF C RESISTOR	470Ω 1/4W J	
R8213	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8214	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R8215	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R8217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8218	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8219	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8221	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8222	QRJ146J-471X	UNF C RESISTOR	470Ω 1/4W J	
R8223	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
⚠ R8224	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R8225	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R8227	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8228	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8229	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠ R8230	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠ R8231	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R8232	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
⚠ R8240	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠ R8241	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R8242	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8251	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
⚠ R8252	QRJ146J-471X	UNF C RESISTOR	470Ω 1/4W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8253	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
⚠ R8254	QRZ0224-R22	EMIT RESISTOR	0.22Ω	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8255	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8257	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8258	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8259	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
⚠ R8260	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
⚠ R8261	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8262	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	21UN,21J,21EE ,21A,21UW,21U X,21UG
R8300	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R8301	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R8310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8311	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R8320	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8321	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
L8210	QQLZ042-R45	COIL	0.45uH	
L8220	QQLZ042-R45	COIL	0.45uH	
L8250	QQLZ042-R45	COIL	0.45uH	21UN,21J,21EE ,21A,21UW,21U X,21UG
CN101	QGF1036F2-13	CONNECTOR	FFC/FPC (1-13)	
CN700	QGD2504C1-03Z	CONNECTOR	(1-3)	
CN701	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN702	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN705	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN706	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN730	QGF1036C2-10	CONNECTOR	FFC/FPC (1-10)	
CN750	QGF1208C1-13	CONNECTOR	FFC/FPC (1-13)	
CN760	QGD2504C1-05Z	CONNECTOR	(1-5)	
EP700	GV40327-001A	IC BOARD HOLDER	(x0)	
FL100	QLF0187-001	FL TUBE		
FW101	QUM023-12Z4Z4-E	FLAT WIRE		
FW102	QUM026-17Z4Z4-E	FLAT WIRE		
FW103	QUM023-10Z4Z4-E	FLAT WIRE		
FW104	QUM024-09DGZ4-E	FLAT WIRE		
FW720	QUM023-13Z4Z4-E	FLAT WIRE		
J700	QNB0315-001	SPEAKER		21UN,21J,21EE ,21A,21UW,21U X,21UG
J700	QNB0314-001	SPK TERMINAL		11UN,11EE,11U W,11UX,11UG,1 1UH,11US
J1101	QSW1060-001	ROTARY SW		
PP701	QNZ0104-001	POST PIN		
RY840	QSK0192-001	RELAY		
RY850	QSK0192-001	RELAY		21UN,21J,21EE ,21A,21UW,21U X,21UG
S1101	QSW0683-001Z	PUSH SW		
S1102	QSW0683-001Z	PUSH SW		
S1103	QSW0683-001Z	PUSH SW		
S1104	QSW0683-001Z	PUSH SW		
S1105	QSW0683-001Z	PUSH SW		
S1106	QSW0683-001Z	PUSH SW		
S1107	QSW0683-001Z	PUSH SW		
S1108	QSW0683-001Z	PUSH SW		
S1109	QSW0683-001Z	PUSH SW		
S1110	QSW0683-001Z	PUSH SW		
S1111	QSW0683-001Z	PUSH SW		
S1201	QSW0683-001Z	PUSH SW		
S1202	QSW0683-001Z	PUSH SW		
S1203	QSW0683-001Z	PUSH SW		
S1204	QSW0683-001Z	PUSH SW		

⚠ Symbol No.	Part No.	Part Name	Description	Local
S1205	QSW0683-001Z	PUSH SW		
S1206	QSW0683-001Z	PUSH SW		
S1207	QSW0683-001Z	PUSH SW		
S1208	QSW0683-001Z	PUSH SW		
S1209	QSW0683-001Z	PUSH SW		
S1210	QSW0683-001Z	PUSH SW		
S1301	QSW0683-001Z	PUSH SW		
S1302	QSW0683-001Z	PUSH SW		
S1303	QSW0683-001Z	PUSH SW		
S1304	QSW0683-001Z	PUSH SW		
S1305	QSW0683-001Z	PUSH SW		
S1306	QSW0683-001Z	PUSH SW		
S1307	QSW0683-001Z	PUSH SW		
S1308	QSW0683-001Z	PUSH SW		
S1309	QSW0683-001Z	PUSH SW		
S1310	QSW0683-001Z	PUSH SW		
WC800	QZW0112-001	WIRE CLAMP		21J,21EE,21A,21UW,21UX,21UG,11EE,11UW,11UX,11UG,11UH,11US

MICOM board (Only J36 ver)

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC250	R2A15907SP-X	KARAOKE IC		
IC251	NJM4565E-X	IC		
IC500	MN101EF16Z-J11	MICON IC		
⚠ IC610	KIA7812API	IC		
⚠ IC620	KIA7809API	IC		
⚠ IC630	KIA278R09PI	IC		
⚠ IC640	KIA278R05PI	IC		
⚠ IC650	KIA7806API	IC		
IC920	MM1623XF-X	IC		
Q2800	KTC3203/OY/-T	TRANSISTOR		
Q4501	KTA1046/Y/	TRANSISTOR		
Q4502	KTC3203/OY/-T	TRANSISTOR		
Q5301	RT1N141C-X	DIGI TRANSISTOR		
Q6601	KTC3203/OY/-T	TRANSISTOR		
Q6701	KTA1271/OY/-T	TRANSISTOR		
Q6702	RT1N140C-X	DIGI TRANSISTOR		
Q9700	RT6N430C-X	TRANSISTOR		
Q9701	RT6N430C-X	TRANSISTOR		
Q9710	RT6N430C-X	TRANSISTOR		
Q9711	RT6N430C-X	TRANSISTOR		
Q9720	RT1P140C-X	DIGI TRANSISTOR		
D2900	MA111-X	SI DIODE		
D2901	MA111-X	SI DIODE		
D4101	1N5402M-20	SI DIODE		
D4102	1N5402M-20	SI DIODE		
D4103	1N5402M-20	SI DIODE		
D4104	1N5402M-20	SI DIODE		
D4201	1N5402M-20	SI DIODE		
D4202	1N5402M-20	SI DIODE		
D4203	1N5402M-20	SI DIODE		
D4204	1N5402M-20	SI DIODE		
D4301	1N5402M-20	SI DIODE		
D4302	1N5402M-20	SI DIODE		
D4303	1N5402M-20	SI DIODE		
D4304	1N5402M-20	SI DIODE		
D4501	1N4003S-T5	SI DIODE		
D4502	1N4003S-T5	SI DIODE		
D4503	1N4003S-T5	SI DIODE		
D4504	UDZW33B-X	Z DIODE		
D4506	UDZW6.2B-X	Z DIODE		
D5000	1N4003S-T5	SI DIODE		
D5043	UDZW3.9B-X	Z DIODE		
D5099	UDZW5.1B-X	SB DIODE		
D5100	1N4003S-T5	SI DIODE		
D5301	MA111-X	SI DIODE		
D5503	1N4003S-T5	SI DIODE		
D5504	1N4003S-T5	SI DIODE		
D6002	1N4003S-T5	SI DIODE		
D6004	1N4003S-T5	SI DIODE		
D6005	1N4003S-T5	SI DIODE		
D6006	1N4003S-T5	SI DIODE		
D6007	1N4003S-T5	SI DIODE		
D6008	1N4003S-T5	SI DIODE		
D6009	1N4003S-T5	SI DIODE		
D6010	1N4003S-T5	SI DIODE		
D6011	1N4003S-T5	SI DIODE		
D6012	1N4003S-T5	SI DIODE		
D6101	MTZJ13B-T2	Z DIODE		
D6201	MTZJ13B-T2	Z DIODE		
D6301	MTZJ13B-T2	Z DIODE		
D6401	MTZJ6.2B-T2	Z DIODE		
D6501	MTZJ6.2B-T2	Z DIODE		
D6602	UDZW3.9B-X	Z DIODE		
D6701	MA111-X	SI DIODE		
C2500	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2501	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2503	NDC31HJ-101X	C CAPACITOR	100pF	50V J
C2504	QETN1HM-224Z	E CAPACITOR	0.22uF	50V M
C2505	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2510	NCB31HK-332X	C CAPACITOR	3300pF	50V K
C2511	NCB31HK-681X	C CAPACITOR	680pF	50V K
C2512	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2514	NCB31HK-681X	C CAPACITOR	680pF	50V K
C2515	NCB31HK-332X	C CAPACITOR	3300pF	50V K
C2516	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C2517	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2518	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2519	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C2520	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C2521	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C2523	NCB31HK-471X	C CAPACITOR	470pF	50V K
C2524	NCB31HK-471X	C CAPACITOR	470pF	50V K
C2525	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C2600	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C2601	QETN1HM-475Z	E CAPACITOR	4.7uF	50V M
C2700	NCB31HK-152X	C CAPACITOR	1500pF	50V K
C2701	NCB31AK-154X	C CAPACITOR	0.15uF	10V K
C2702	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2703	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2800	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C2801	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C2900	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C2901	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2902	QETN1HM-105Z	E CAPACITOR	1uF	50V M
C2903	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C2952	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
⚠ C4101	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
C4102	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
C4103	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
⚠ C4201	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
C4202	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
C4203	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
⚠ C4301	QFNC2AJ-104Z	M CAPACITOR	0.1uF	100V J
C4501	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C4502	QETN1JM-107Z	E CAPACITOR	100uF	63V M
C4503	QETN2AM-476Z	E CAPACITOR	47uF	100V M
C4504	QETN1HM-226Z	E CAPACITOR	22uF	50V M
C4505	QETN1HM-226Z	E CAPACITOR	22uF	50V M
C4506	NDC31HJ-101X	C CAPACITOR	100pF	50V J
C4507	QETN1HM-106Z	E CAPACITOR	10uF	50V M
C4511	QETN1HM-226Z	E CAPACITOR	22uF	50V M
C4512	QETN1HM-226Z	E CAPACITOR	22uF	50V M
C5012	NDC31HJ-200X	C CAPACITOR	20pF	50V J
C5013	NDC31HJ-220X	C CAPACITOR	22pF	50V J
C5017	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C5018	NCB30JK-105X	C CAPACITOR	1uF	6.3V K
C5037	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C5091	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C5117	QETN1CM-107Z	E CAPACITOR	100uF	16V M
C5191	QETN1CM-107Z	E CAPACITOR	100uF	16V M
C5199	QETN1HM-475Z	E CAPACITOR	4.7uF	50V M
C5302	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C5303	QETN1HM-475Z	E CAPACITOR	4.7uF	50V M

⚠ Symbol No.	Part No.	Part Name	Description	Local
C5304	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5411	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5421	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5450	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5451	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C6001	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C6002	QETM1CM-688	E CAPACITOR	6800uF 16V M	
C6102	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6202	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6203	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6402	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6502	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C6601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6602	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C9200	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9209	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C9211	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9213	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9215	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9218	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9221	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9224	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9227	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9230	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9232	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9800	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9801	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9803	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R2500	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2504	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2511	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2512	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2514	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2515	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2516	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2600	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2601	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2700	NRSA63J-913X	MG RESISTOR	91kΩ 1/16W J	
R2701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2800	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2900	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2901	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2902	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2905	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2906	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2907	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4501	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R4502	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R4503	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R4504	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R4505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5002	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5011	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5022	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5025	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5026	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5027	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5030	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5044	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5046	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5047	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5048	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5054	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5057	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5072	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5073	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5074	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5075	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5079	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5081	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5083	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5088	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5090	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5092	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5093	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5094	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	36UN, 36UX, 36UG, 36US, 36UW
R5096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5098	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5190	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R5192	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R5193	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5194	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5195	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	36EE
R5195	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	36UX, 36UG
R5195	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	36UW
R5196	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5199	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R5259	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5411	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5421	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R5431	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R5440	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5441	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R5450	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6601	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6702	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R9202	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9204	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9206	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9208	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9210	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9218	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9221	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9224	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9227	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9230	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9232	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9700	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R9710	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
CN250	QGF1208F1-13	CONNECTOR	FFC/FPC (1-13)	
CN410	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠ CN420	QSW0812-001	VOLTAGE SWITCH		36UN, 36UX, 36UG, 36US, 36UW
CN430	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN500	QGF1036C2-13	CONNECTOR	FFC/FPC (1-13)	
CN501	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN502	QGF1036C2-28	CONNECTOR	FFC/FPC (1-28)	
CN503	QGF1208C1-15	CONNECTOR	FFC/FPC (1-15)	
CN504	QGF1036C2-05	CONNECTOR	FFC/FPC (1-5)	
CN505	QGF1208C1-23	CONNECTOR	FFC/FPC (1-23)	
CN506	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN507	QGF1208F1-11	CONNECTOR	FFC/FPC (1-11)	
CN508	QGF1210G1-05	CONNECTOR	FFC/FPC (1-5)	
CN630	QGA2501F1-03	CONNECTOR	W-B (1-3)	
CN931	QGF1208C1-15	CONNECTOR	FFC/FPC (1-15)	
EP401	E409182-001SM	GRAND TERMINAL		36EE
FT411	QNG0003-001Z	FUSE CLIP		
FT412	QNG0003-001Z	FUSE CLIP		
FT415	QNG0003-001Z	FUSE CLIP		
FT416	QNG0003-001Z	FUSE CLIP		
FT417	QNG0003-001Z	FUSE CLIP		
FT418	QNG0003-001Z	FUSE CLIP		
FT421	QNG0003-001Z	FUSE CLIP		
FT422	QNG0003-001Z	FUSE CLIP		
FT425	QNG0003-001Z	FUSE CLIP		
FT426	QNG0003-001Z	FUSE CLIP		
FT427	QNG0003-001Z	FUSE CLIP		
FT428	QNG0003-001Z	FUSE CLIP		
FW400	QUM15B-35DGZ4-E	FLAT WIRE		
FW970	QUM025-19DGZ4-E	FLAT WIRE		
HS600	GV40762-001A	HEAT SINK		36UW
J250	QNS0285-001	6.3 JACK		
J251	QNS0285-001	6.3 JACK		
J500	QNN0420-001	SURROUND JACK		
J501	QNN0780-001	PIN JACK		
J970	QNS0266-001	JACK		
J980	QNZ0851-001	USB CONNECTOR		
J9200	QNN0572-001	PIN JACK		
J9300	QNN0557-002	PIN JACK		
JS251	QSW1230-001	MIC ENCODER		
K2702	NQR0022-003X	FERRITE CHIP		
K2703	QQR0621-001Z	FERRITE BEADS		
K2704	NQR0022-003X	FERRITE CHIP		
K2705	QQR0621-001Z	FERRITE BEADS		
K5000	QQR0621-001Z	FERRITE BEADS		
K9700	QQR0621-001Z	FERRITE BEADS		
K9710	QQR0621-001Z	FERRITE BEADS		
K9721	QQR0621-001Z	FERRITE BEADS		
K9800	NQR0022-003X	FERRITE CHIP		
K9801	NQR0022-003X	FERRITE CHIP		
K9802	QQR0621-001Z	FERRITE BEADS		
TW251	QUB130-14DMPP-E	SIN TWIST WIRE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
X5000	QAX0711-002Z	CRYSTAL	8.000000MHz	

MICOM board (For J21 & J11 ver)

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC250	R2A15907SP-X	KARAOKE IC		
IC251	NJM4565E-X	IC		
IC500	MN101EF16Z-J11	MICON IC		
⚠ IC610	KIA7812API	IC		
⚠ IC620	KIA7809API	IC		
⚠ IC630	KIA278R09PI	IC		
⚠ IC640	PQ050RDC2SZF	REGULATOR IC		
⚠ IC650	KIA7806API	IC		
IC920	MM1623XF-X	IC		
IC930	GP1FAV30TK0F	OPT TRANSMITTER		
Q2800	KTC3203/OY/-T	TRANSISTOR		
Q4501	KTA1046/Y/	TRANSISTOR		
Q4502	KTC3203/OY/-T	TRANSISTOR		
Q5301	RT1N141C-X	DIGI TRANSISTOR		
Q6601	KTC3203/OY/-T	TRANSISTOR		
Q6701	KTA1271/OY/-T	TRANSISTOR		
Q6702	RT1N140C-X	DIGI TRANSISTOR		
Q9700	RT6N430C-X	TRANSISTOR		
Q9701	RT6N430C-X	TRANSISTOR		
Q9710	RT6N430C-X	TRANSISTOR		
Q9711	RT6N430C-X	TRANSISTOR		
Q9720	RT1P140C-X	DIGI TRANSISTOR		
D2900	MA111-X	SI DIODE		
D2901	MA111-X	SI DIODE		
D4101	1N5402M-20	SI DIODE		
D4102	1N5402M-20	SI DIODE		
D4103	1N5402M-20	SI DIODE		
D4104	1N5402M-20	SI DIODE		
D4201	1N5402M-20	SI DIODE		
D4202	1N5402M-20	SI DIODE		
D4203	1N5402M-20	SI DIODE		
D4204	1N5402M-20	SI DIODE		
D4301	1N5402M-20	SI DIODE		
D4302	1N5402M-20	SI DIODE		
D4303	1N5402M-20	SI DIODE		
D4304	1N5402M-20	SI DIODE		
D4501	1N4003S-T5	SI DIODE		
D4502	1N4003S-T5	SI DIODE		
D4503	1N4003S-T5	SI DIODE		
D4504	UDZW33B-X	Z DIODE		
D4506	UDZW6.2B-X	Z DIODE		
D5000	1N4003S-T5	SI DIODE		
D5043	UDZW3.9B-X	Z DIODE		
D5099	UDZW5.1B-X	SB DIODE		
D5100	1N4003S-T5	SI DIODE		
D5301	MA111-X	SI DIODE		
D5503	1N4003S-T5	SI DIODE		
D5504	1N4003S-T5	SI DIODE		
D6002	1N4003S-T5	SI DIODE		
D6004	1N4003S-T5	SI DIODE		
D6005	1N4003S-T5	SI DIODE		
D6006	1N4003S-T5	SI DIODE		
D6007	1N4003S-T5	SI DIODE		
D6008	1N4003S-T5	SI DIODE		
D6009	1N4003S-T5	SI DIODE		
D6010	1N4003S-T5	SI DIODE		
D6011	1N4003S-T5	SI DIODE		
D6012	1N4003S-T5	SI DIODE		
D6101	MTZJ13B-T2	Z DIODE		
D6201	MTZJ13B-T2	Z DIODE		21UN,21EE, 21A,21UW,2 1UX,21UG,1 1UN,11EE,11 UW,11UX,11 UG,11UH,11 US

⚠ Symbol No.	Part No.	Part Name	Description	Local
D6201	MTZJ12B-T2	Z DIODE		21J
D6301	MTZJ13B-T2	Z DIODE		21UN,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
D6301	MTZJ12B-T2	Z DIODE		21J
D6401	MTZJ6.2B-T2	Z DIODE		
D6501	MTZJ6.2B-T2	Z DIODE		
D6602	UDZW3.9B-X	Z DIODE		
D6701	MA111-X	SI DIODE		
C2500	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2501	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2503	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2504	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	
C2505	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2510	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C2511	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C2512	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2514	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C2515	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C2516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2517	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2518	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2523	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2524	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2525	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2600	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2601	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2700	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C2701	NCB31AK-154X	C CAPACITOR	0.15uF 10V K	
C2702	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2703	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2800	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2900	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2901	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2902	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2903	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2952	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
⚠ C4101	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C4102	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C4103	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
⚠ C4201	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C4202	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C4203	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
⚠ C4301	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C4501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4502	QETN1JM-107Z	E CAPACITOR	100uF 63V M	
C4503	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C4504	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C4505	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C4506	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4511	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C4512	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5012	NDC31HJ-200X	C CAPACITOR	20pF 50V J	
C5013	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C5017	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5018	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5117	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5191	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5199	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5303	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5304	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5411	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5421	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6001	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C6002	QETM1CM-688	E CAPACITOR	6800uF 16V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6102	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6202	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6203	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6402	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6502	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C6601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6602	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C9200	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9209	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C9211	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9213	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9215	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9227	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9230	QETN1AM-477Z	E CAPACITOR	470uF 6.3V M	
C9232	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C9712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9800	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9801	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9803	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R2500	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2504	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2511	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2512	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2514	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2515	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2516	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2600	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2601	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2700	NRSA63J-913X	MG RESISTOR	91kΩ 1/16W J	
R2701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2800	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2900	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2901	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2902	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2905	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2906	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2907	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4501	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R4502	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R4503	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R4504	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R4505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5002	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5011	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5022	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5025	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5030	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R5042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5044	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5046	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5047	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5048	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5054	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5057	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5072	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5073	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5074	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5075	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5079	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5081	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5083	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5088	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5090	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5092	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5093	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5094	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	21UN,21J,21A,21UW,21UX,21UG,11UN,11UW,11UX,11UG,11UH,11US
R5096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5098	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5190	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R5192	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R5193	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5194	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5195	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	21J
R5195	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	21EE,11EE
R5195	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	21UW,11UW
R5195	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	21UX,21UG,11UX,11UG
R5198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5199	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R5259	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5411	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5421	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5431	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R5440	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5441	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R6301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6601	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6702	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R9001	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9202	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9208	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9210	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9227	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9230	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9232	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R9700	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R9710	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
CN250	QGF1208F1-13	CONNECTOR	FFC/FPC (1-13)	
CN410	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠ CN420	QSW0812-001	VOLTAGE SWITCH		21UN,21UW,21UX,21UG,11UN,11UW,11UX,11UG,11UH,11US
CN430	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN500	QGF1036C2-13	CONNECTOR	FFC/FPC (1-13)	
CN501	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN502	QGF1036C2-28	CONNECTOR	FFC/FPC (1-28)	
CN503	QGF1208C1-15	CONNECTOR	FFC/FPC (1-15)	
CN504	QGF1036C2-05	CONNECTOR	FFC/FPC (1-5)	
CN505	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN506	QGF1208C1-21	CONNECTOR	FFC/FPC (1-21)	
CN507	QGF1208F1-11	CONNECTOR	FFC/FPC (1-11)	
CN630	QGA2501F1-03	CONNECTOR	W-B (1-3)	
CN931	QGF1208C1-15	CONNECTOR	FFC/FPC (1-15)	
EP401	E409182-001SM	GRAND TERMINAL		21J,21EE,21A,11EE
FT411	QNG0003-001Z	FUSE CLIP		
FT412	QNG0003-001Z	FUSE CLIP		21UN,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
FT415	QNG0003-001Z	FUSE CLIP		
FT416	QNG0003-001Z	FUSE CLIP		
FT417	QNG0003-001Z	FUSE CLIP		
FT418	QNG0003-001Z	FUSE CLIP		
FT421	QNG0003-001Z	FUSE CLIP		
FT422	QNG0003-001Z	FUSE CLIP		21UN,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
FT425	QNG0003-001Z	FUSE CLIP		
FT426	QNG0003-001Z	FUSE CLIP		
FT427	QNG0003-001Z	FUSE CLIP		
FT428	QNG0003-001Z	FUSE CLIP		
FW400	QUM15B-35DGZ4-E	FLAT WIRE		
FW970	QUM025-19DGZ4-E	FLAT WIRE		
J250	QNS0285-001	6.3 JACK		
J251	QNS0285-001	6.3 JACK		
J500	QNN0420-001	SURROUND JACK		
J970	QNS0266-001	JACK		
J980	QNZ0851-001	USB CONNECTOR		
J9300	QNN0557-002	PIN JACK		
JS251	QSW1230-001	MIC ENCODER		
K2703	QQR0621-001Z	FERRITE BEADS		
K2705	QQR0621-001Z	FERRITE BEADS		
K2712	NQR0022-003X	FERRITE CHIP		
K2714	NQR0022-003X	FERRITE CHIP		
K5000	QQR0621-001Z	FERRITE BEADS		
K5001	QQR0621-001Z	FERRITE BEADS		21J
K9700	QQR0621-001Z	FERRITE BEADS		
K9710	QQR0621-001Z	FERRITE BEADS		
K9721	QQR0621-001Z	FERRITE BEADS		
K9800	NQR0022-003X	FERRITE CHIP		
K9801	NQR0022-003X	FERRITE CHIP		
K9802	QQR0621-001Z	FERRITE BEADS		
TW251	QUB130-14DMPP-E	SIN TWIST WIRE		
X5000	QAX0711-002Z	CRYSTAL	8.000000MHz	

DVD servo board (Only J36 ver)

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0018MA	IC		
IC302	MM1701CH-X	IC		
IC303	XC2164A51FM-X	IC		
IC305	MM1563DF-X	IC		
IC451	MN101C61GNW	IC		
IC452	BR93L56RF-W-X	IC		
IC453	S-80830CNNB-G-W	IC		
IC505	K4S641632K-UC75	IC		
IC505 or	K4S641632H-UC75	IC		
IC509	DXJ36-A78	IC(MICRO C ROM)		
IC510	BR24L16F-W-X	IC(DIGITAL)		
IC701	AK4387ET-X	IC		
IC702	AK4387ET-X	IC		
IC703	AK4387ET-X	IC		
IC704	AK5358ET-X	IC		
IC704 or	AK5358AET-X	IC		
IC705	MM1615AN-X	IC		
IC801	MM1565AF-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q801	KRA104S-X	DIGI TRANSISTOR		
Q801 or	UN2113-X	TRANSISTOR		
C101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C301	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C316	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C345	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C370	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C373	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C374	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C375	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C378	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C379	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C451	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C454	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C560	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C564	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C702	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C708	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C741	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C742	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C744	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C745	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C801	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C802	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C803	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C804	NCB31HK-471X	C CAPACITOR	470pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R304	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R311	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R312	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R318	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R322	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R323	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R332	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R333	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R351	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R362	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R452	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R455	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R463	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R465	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R531	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R704	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R716	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R719	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R724	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R725	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R727	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R728	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R741	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R742	NRSA63J-5R1X	MG RESISTOR	5.1Ω 1/16W J	
R811	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
R812	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
R813	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R814	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R859	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R860	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R861	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
CN101	QGF0523F3-24W	CONNECTOR	FFC/FPC (1-24)	
CN201	QGF1016F8-08W	CONNECTOR	FFC/FPC (1-8)	
CN451	QGF1016F8-15W	CONNECTOR	FFC/FPC (1-15)	
CN452	QGA2001F6-02X	CONNECTOR	W-B (1-2)	
CN453	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN701	QGF1016F8-28W	CONNECTOR	FFC/FPC (1-28)	
CN702	QGF1016F8-10W	CONNECTOR	FFC/FPC (1-10)	
CN703	QGF1016F8-08W	CONNECTOR	FFC/FPC (1-8)	
CN801	QGF1016F8-05W	CONNECTOR	FFC/FPC (1-5)	
CN811	QGA2001F6-05X	CONNECTOR	W-B (1-5)	
K101	NQR0502-001X	FERRITE BEADS		
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K353	NQR0502-001X	FERRITE BEADS		
K354	NQR0022-002X	FERRITE BEADS		
K454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K456	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K501	NQR0502-001X	FERRITE BEADS		
K720	NQR0022-002X	FERRITE BEADS		
K732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K734	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K735	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K736	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K738	NQR0022-005X	FERRITE BEADS		
K741	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K749	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K750	NQR0022-002X	FERRITE BEADS		

⚠ Symbol No.	Part No.	Part Name	Description	Local
K752	NQR0022-002X	FERRITE BEADS		
K754	NQR0022-002X	FERRITE BEADS		
K756	NQR0022-002X	FERRITE BEADS		
K758	NQR0022-002X	FERRITE BEADS		
K811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL	27.000MHz	
X302	NAX0376-002X	CRYSTAL		
X451	NAX0248-001X	C OSCILLATOR	8.000MHz	

DVD loading board (Only J36 ver)

Block No. [0][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C2	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C3	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C5	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
CN1	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
CN2	QGB2024K1-07S	CONNECTOR	B-B (1-7)	
CN3	QGB2024J1-07S	CONNECTOR	B-B (1-7)	
SW1	QSW0844-001	PUSH SWITCH		
SW2	QSW0844-001	PUSH SWITCH		
SW3	QSW0844-001	PUSH SWITCH		
SW4	QSW0844-001	PUSH SWITCH		
SW5	QSW0844-001	PUSH SWITCH		
SW6	QSW0854-002	PUSH SW		
SW8	QSW0923-001	DETECT SWITCH		

DVD servo board (For J21 & J11 ver)

Block No. [0][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0018MA	IC		
IC302	MM1701CH-X	IC		
IC303	XC2164A51FM-X	IC		
IC305	MM1563DF-X	IC		
IC451	MN101C61GNW	IC		
IC452	BR93L56RF-W-X	IC		
IC453	S-80830CNNB-G-W	IC		
IC505	K4S641632K-UC75	IC		
IC505 or	K4S641632H-UC75	IC		
IC509	SG32M90TFICA66D	IC(MICRO C ROM)		21UN,21EE,21A,21UW,21UX,21UG,11UN,11EE,11UW,11UX,11UG,11UH,11US
IC509	DXJ21J-B53	IC(MICRO C ROM)		21J
IC510	BR24L16F-W-X	IC(DIGITAL)		
IC701	AK4387ET-X	IC		
IC705	MM1615AN-X	IC		
IC801	MM1565AF-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q801	KRA104S-X	DIGI TRANSISTOR		
Q801 or	UN2113-X	TRANSISTOR		
C101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C301	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C316	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C345	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C370	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C373	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C374	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C375	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C378	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C379	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C451	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C454	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C560	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C564	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C801	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C802	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C803	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C804	NCB31HK-471X	C CAPACITOR	470pF 50V K	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R304	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R311	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R318	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R323	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R333	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R351	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R362	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R452	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R455	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R463	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R465	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R531	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R704	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R811	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
R812	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
R813	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R814	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R859	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R860	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R861	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
CN101	QGF0523F3-24W	CONNECTOR	FFC/FPC (1-24)	
CN201	QGF1016F8-08W	CONNECTOR	FFC/FPC (1-8)	
CN451	QGF1016F8-15W	CONNECTOR	FFC/FPC (1-15)	
CN452	QGA2001F6-02X	CONNECTOR	W-B (1-2)	
CN453	QGA2001F6-03X	CONNECTOR	W-B (1-3)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN701	QGF1016F8-28W	CONNECTOR	FFC/FPC (1-28)	
CN702	QGF1016F8-10W	CONNECTOR	FFC/FPC (1-10)	
CN801	QGF1016F8-05W	CONNECTOR	FFC/FPC (1-5)	
CN811	QGA2001F6-05X	CONNECTOR	W-B (1-5)	
K101	NQR0502-001X	FERRITE BEADS		
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K353	NQR0502-001X	FERRITE BEADS		
K354	NQR0022-002X	FERRITE BEADS		
K454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K456	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K501	NQR0502-001X	FERRITE BEADS		
K720	NQR0022-002X	FERRITE BEADS		
K732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K734	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K735	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K736	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K738	NQR0022-005X	FERRITE BEADS		
K744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K749	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K750	NQR0022-002X	FERRITE BEADS		
K752	NQR0022-002X	FERRITE BEADS		
K754	NQR0022-002X	FERRITE BEADS		
K756	NQR0022-002X	FERRITE BEADS		
K758	NQR0022-002X	FERRITE BEADS		
K811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL	27.000MHz	
X302	NAX0376-002X	CRYSTAL		
X451	NAX0248-001X	C OSCILLATOR	8.000MHz	

DVD loading board (For J21 & J11 ver)

Block No. [0][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C2	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C3	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C5	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C7	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
CN1	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
CN2	QGB2024K1-07S	CONNECTOR	B-B (1-7)	
CN3	QGB2024J1-07S	CONNECTOR	B-B (1-7)	
SW1	QSW0844-001	PUSH SWITCH		
SW2	QSW0844-001	PUSH SWITCH		
SW3	QSW0844-001	PUSH SWITCH		
SW4	QSW0844-001	PUSH SWITCH		
SW5	QSW0844-001	PUSH SWITCH		
SW6	QSW0854-002	PUSH SW		
SW8	QSW0923-001	DETECT SWITCH		

Casset control board (Only J36 ver)

Block No. [0][9]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC200	HA12237F-E	IC		
Q110	KTA1271/OY/-T	TRANSISTOR		
Q111	RT1N144C-X	DIGI TRANSISTOR		
Q120	KTA1296/Y/-T	TRANSISTOR		
Q121	RT1N144C-X	DIGI TRANSISTOR		
Q140	KTA1271/OY/-T	TRANSISTOR		
Q141	RT1N144C-X	DIGI TRANSISTOR		
Q150	KTA1296/Y/-T	TRANSISTOR		
Q151	RT1N144C-X	DIGI TRANSISTOR		
Q200	RT1P430C-X	TRANSISTOR		
Q201	RT6N430C-X	TRANSISTOR		
Q202	RT6N430C-X	TRANSISTOR		
Q203	RT6N430C-X	TRANSISTOR		
Q204	RT6N430C-X	TRANSISTOR		
Q300	KTC3203/OY/-T	TRANSISTOR		
Q301	KTC3203/OY/-T	TRANSISTOR		
D121	1N4003S-T5	SI DIODE		
D122	1N4003S-T5	SI DIODE		
D151	1N4003S-T5	SI DIODE		
D152	1N4003S-T5	SI DIODE		
C110	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C122	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C140	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C202	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C207	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C209	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C210	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C211	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C213	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C215	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C216	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C219	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C220	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C222	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C223	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C224	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C225	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C226	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C227	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C228	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C231	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C234	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C235	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C300	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C301	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C303	QFG32AJ-273Z	PP CAPACITOR	0.027uF 100V J	
C304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C306	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C307	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R110	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R114	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R115	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R123	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R140	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R153	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R200	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R201	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R203	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R209	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R210	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R211	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R212	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R213	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R214	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R215	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R218	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R219	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R226	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R227	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R228	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R300	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R301	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R304	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R305	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R306	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R307	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R308	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R309	QRZ9005-100X	FUSI RESISTOR	10Ω	
L300	QQR1118-002	OSC COIL(BIAS)		
L301	QQL244K-100Z	COIL	10uH K	
CN100	QGF1205C2-21	CONNECTOR	FFC/FPC (1-21)	
CN110	QGF1205F2-06	CONNECTOR	FFC/FPC (1-6)	
CN120	QGF1205C2-07	CONNECTOR	FFC/FPC (1-7)	
CN200	QGA2001C1-07	CONNECTOR	W-B (1-7)	
CN220	QGA2001F1-03	CONNECTOR	W-B (1-3)	

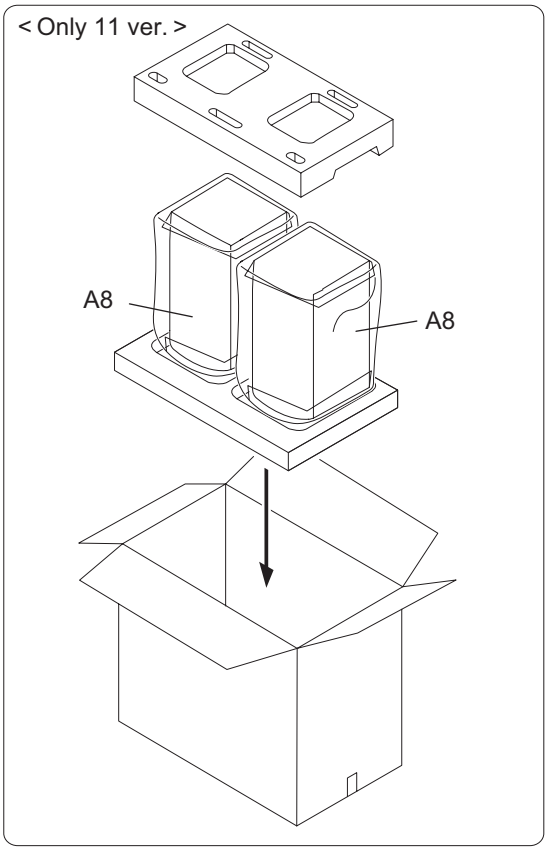
Cassete control board (For J21 & J11 ver)

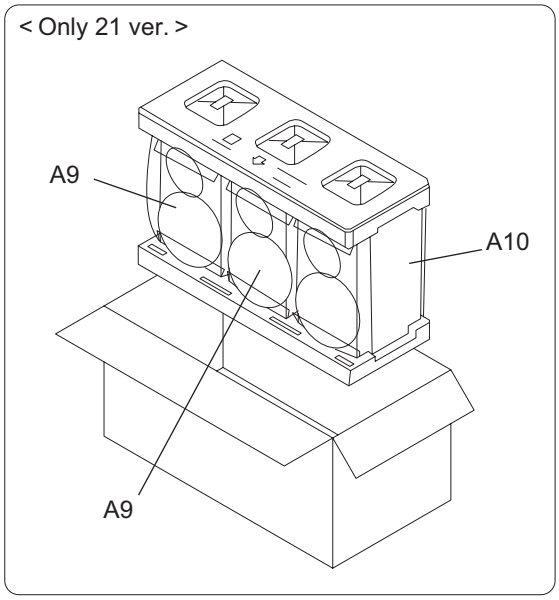
Block No. [1][0]

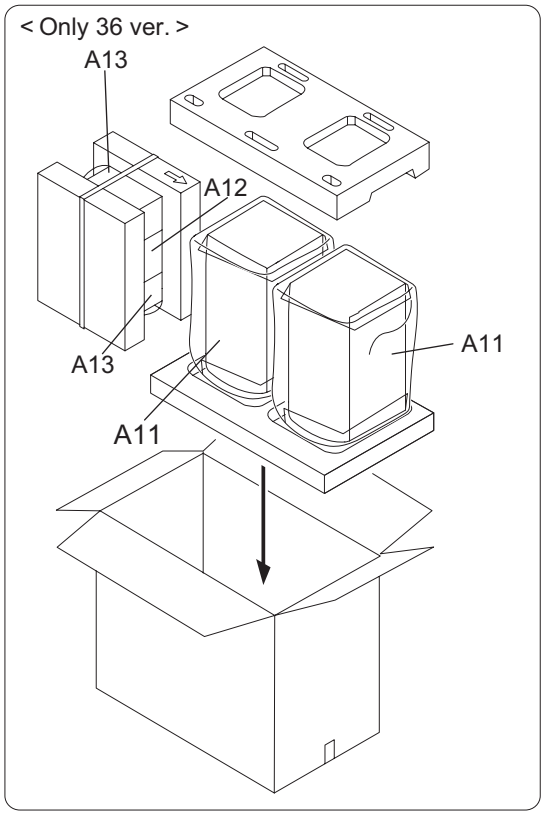
⚠ Symbol No.	Part No.	Part Name	Description	Local
IC200	HA12237F-E	IC		
Q110	KTA1271/OY/-T	TRANSISTOR		
Q111	RT1N144C-X	DIGI TRANSISTOR		
Q120	KTA1296/Y/-T	TRANSISTOR		
Q121	RT1N144C-X	DIGI TRANSISTOR		
Q140	KTA1271/OY/-T	TRANSISTOR		
Q141	RT1N144C-X	DIGI TRANSISTOR		
Q150	KTA1296/Y/-T	TRANSISTOR		
Q151	RT1N144C-X	DIGI TRANSISTOR		
Q200	RT1P430C-X	TRANSISTOR		
Q201	RT6N430C-X	TRANSISTOR		
Q202	RT6N430C-X	TRANSISTOR		
Q203	RT6N430C-X	TRANSISTOR		
Q204	RT6N430C-X	TRANSISTOR		
Q300	KTC3203/OY/-T	TRANSISTOR		
Q301	KTC3203/OY/-T	TRANSISTOR		
D121	1N4003S-T5	SI DIODE		
D122	1N4003S-T5	SI DIODE		
D151	1N4003S-T5	SI DIODE		
D152	1N4003S-T5	SI DIODE		
C110	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C122	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C140	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C202	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C207	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C209	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C210	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C211	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C213	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C215	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C216	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C219	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C220	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C222	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C223	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C224	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C225	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C226	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C227	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C228	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C231	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C234	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C235	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C300	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C301	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C303	QFG32AJ-273Z	PP CAPACITOR	0.027uF 100V J	
C304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C306	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C307	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R110	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R114	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R115	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R123	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R140	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R153	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R200	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R201	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R203	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R209	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R210	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R211	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R212	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R213	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R214	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R215	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R218	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R219	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R226	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R227	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R228	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R300	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R301	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R304	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R305	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R306	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R307	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R308	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R309	QRZ9005-100X	FUSI RESISTOR	10Ω	
L300	QQR1118-002	OSC COIL(BIAS)		
L301	QQL244K-100Z	COIL	10uH K	
CN100	QGF1205C2-21	CONNECTOR	FFC/FPC (1-21)	
CN110	QGF1205F2-06	CONNECTOR	FFC/FPC (1-6)	
CN120	QGF1205C2-07	CONNECTOR	FFC/FPC (1-7)	
CN200	QGA2001C1-07	CONNECTOR	W-B (1-7)	
CN220	QGA2001F1-03	CONNECTOR	W-B (1-3)	

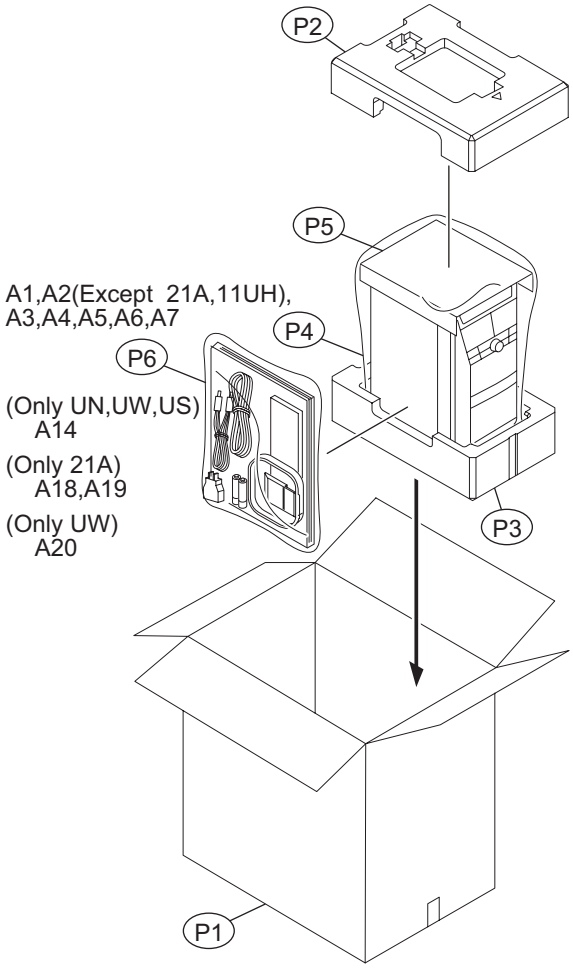
Packing materials and accessories parts list (Except J & EE ver)

Block No. M 3 M M









The parts without symbol number are not service.

Packing and Accessories (Except J & EE ver)

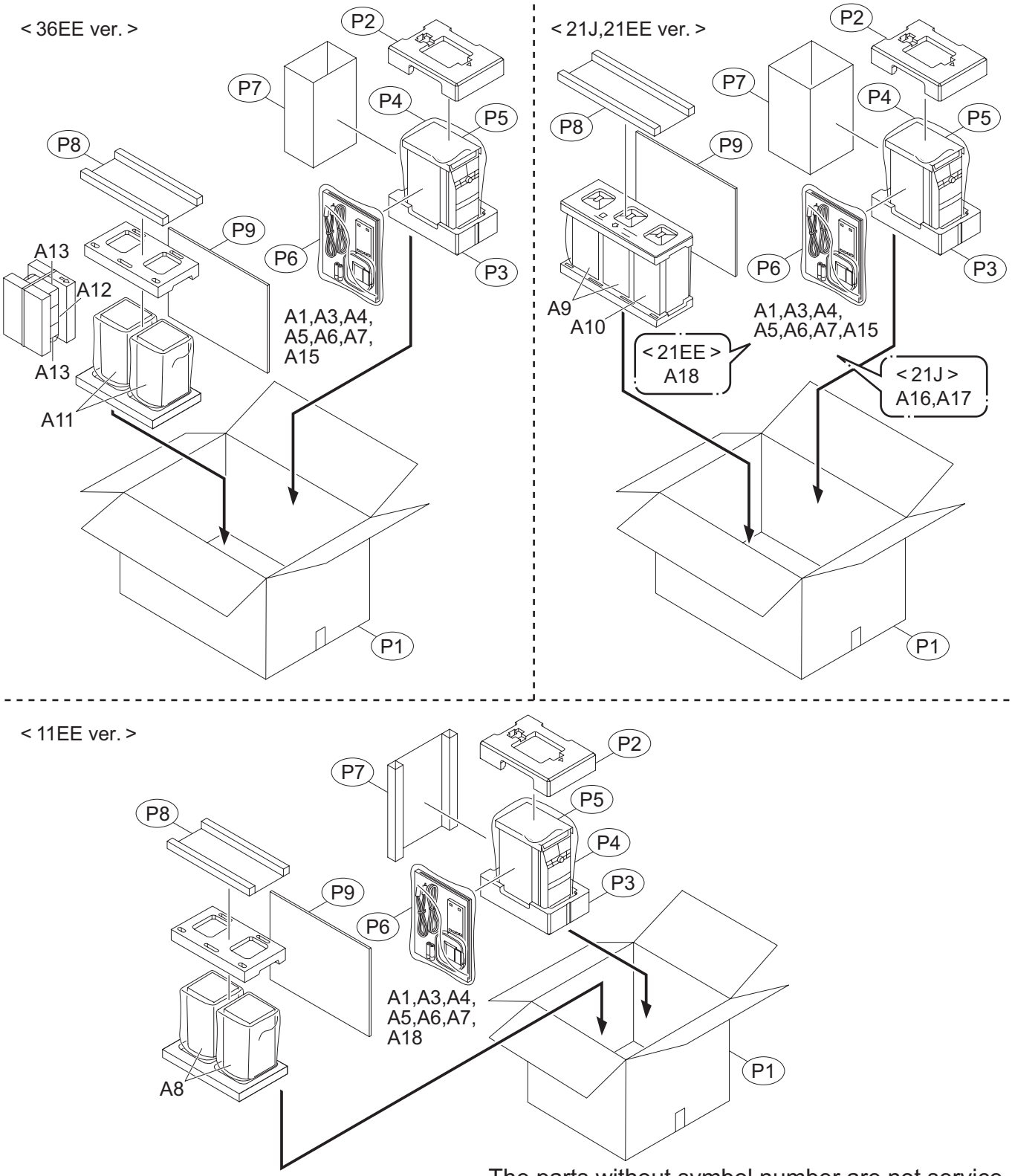
Block No. [M][3][M][M]

⚠	Symbol No.		Part No.	Part Name	Description	Local
	A 1		GVT0245-001A	INST BOOK	ENG	36UN,36UX,36UG,36US,36UW
	A 1		GVT0244-001A	INST BOOK	ENG	21UN,21A,21UW,21UX,21UG,11UN,11UW,11UX,11UG,11US
	A 1		GVT0244-007A	INST BOOK	THA	11UH
	A 2		GVT0245-003A	INST BOOK	CHI(PEKIN)	36UN,36US
	A 2		GVT0245-004A	INST BOOK	ARA PER	36UX,36UG
	A 2		GVT0245-006A	INST BOOK	SPA	36UW
	A 2		GVT0244-005A	INST BOOK	CHI(PEKIN)	21UN,11UN,11US
	A 2		GVT0244-002A	INST BOOK	SPA	21UW,11UW
	A 2		GVT0244-006A	INST BOOK	ARA PER	21UX,21UG,11UX,11UG
	A 3	or	QAL0014-003	AM LOOP ANT		
	A 3		QAL1123-001	AM LOOP ANT		
	A 4		QAM0944-001	PIN CABLE		
	A 5		RM-SDXJ35U	REMOCON		36UN,36UX,36UG,36US,36UW
	A 5		RM-SDXJ20U	REMOCON		21UN,21A,21UW,21UX,21UG,11UN,11UW,11UX,11UG,11UH,11US
	A 6		QAL0457-001	ANT.WIRE		
	A 7		----------	BATTERY	1.5V(x2)	
	A 8		SPDXJ11U-SPBOX	SPK WITH BOX-M	MAIN(x2)	11UN,11UW,11UX,11UG,11UH,11US
	A 9		SPDXJ21U-SPBOX	SPK WITH BOX-M	MAIN(x2)	21UN,21A,21UW,21UX,21UG
	A 10		DXJ21WUS-SPBOX	SPK WITH BOX-WO	WOOFER	21UN,21A
	A 10		DXJ21WUG-SPBOX	SPK WITH BOX-WO		21UW,21UX,21UG
	A 11		SPDXJ36F-SPBOX	SPK WITH BOX-F	FRONT(x2)	36UN,36UX,36UG,36UW
	A 12		SPDXJ36C-SPBOX	SPK WITH BOX-C	CENTER	36UN,36UX,36UG,36UW
	A 13		SPDXJ36S-SPBOX	SPK WITH BOX-S	SURROUND(x2)	36UN,36UX,36UG,36UW
	A 14		QAM0112-002	CONVERSION PLUG		36UN,36US,36UW,21UN,21UW,11UN,11UW,11US
	A 18		----------	WARRANTY CARD	BT-56016-1	21A
	A 19		----------	WARRANTY CARD	BT-56017-1	21A
	A 20		GVT0245-007A	INST BOOK	POR	36UW
	A 20		GVT0244-003A	INST BOOK	POR	21UW,11UW
	P 1		GV31177-002A	CARTON		36UN,36US,36UW
	P 1		GV31177-001A	CARTON		36UX,36UG
	P 1		GV31176-002A	CARTON		21UN,21A,21UW
	P 1		GV31176-001A	CARTON		21UX,21UG
	P 1		GV31175-002A	CARTON		11UN,11UW,11UH,11US
	P 1		GV31175-001A	CARTON		11UX,11UG
	P 2		GV10381-001A	CUSHION (TOP)		
	P 3		GV10382-001A	CUSHION (BOTTOM		
	P 4		QPC07507530PB	POLY BAG	65cm x 70cm	
	P 5		GV40168-012A	SHEET		
	P 6		QPC02503515PB	POLY BAG	25cm x 35cm	

Packing materials and accessories parts list (For J & EE ver)

Block No. M 4 M M

No additional / supplemental order of WARRANTY CARDs are available.



The parts without symbol number are not service.

Packing and Accessories (For J & EE ver)

Block No. [M][4][M][M]

⚠	Symbol No.		Part No.	Part Name	Description	Local
	A 1		GVT0245-002A	INST BOOK	RUS	36EE
	A 1		GVT0244-008A	INST BOOK	ENG	21J
	A 1		GVT0244-004A	INST BOOK	RUS	21EE,11EE
	A 3	or	QAL0014-003	AM LOOP ANT		
	A 3		QAL1123-001	AM LOOP ANT		
	A 4		QAM0944-001	PIN CABLE		
	A 5		RM-SDXJ35U	REMOCON		36EE
	A 5		RM-SDXJ20U	REMOCON		21J,21EE,11EE
	A 6		QAL0457-001	ANT.WIRE		
	A 7		----------	BATTERY	1.5V(x2)	
	A 8		SPDXJ11U-SPBOX	SPK WITH BOX-M	(x2)	11EE
	A 9		SPDXJ21U-SPBOX	SPK WITH BOX-M	(x2)	21J,21EE
	A 10		DXJ21WUG-SPBOX	SPK WITH BOX-WO		21J,21EE
	A 11		SPDXJ36F-SPBOX	SPK WITH BOX-F	(x2)	36EE
	A 12		SPDXJ36C-SPBOX	SPK WITH BOX-C		36EE
	A 13		SPDXJ36S-SPBOX	SPK WITH BOX-S	(x2)	36EE
	A 15		----------	WARRANTY CARD	BT-54035-1	36EE
	A 16		BT-51044-1	J=REGIST CARD		21J
	A 17		LVT1701-001A	SAFETY SHEET		21J
	A 18		----------	WARRANTY CARD	BT-54035-1	21EE,11EE
	P 1		GV31180-002A	CARTON		36EE
	P 1		GV31224-001A	CARTON		21J
	P 1		GV31179-002A	CARTON		21EE
	P 1		GV31178-002A	CARTON		11EE
	P 2		GV10381-001A	CUSHION (TOP)		
	P 3		GV10382-001A	CUSHION (BOTTOM		
	P 4		QPC06507030PB	POLY BAG	65cm x 70cm	
	P 5		GV40168-012A	SHEET		
	P 6		QPC02503515PB	POLY BAG	25cm x 35cm	
	P 7		GV30897-005A	CARTON SPACER		36EE
	P 7		GV30897-006A	CARTON SPACER		21J,21EE
	P 7		GV30897-003A	CARTON SPACER		11EE
	P 8		GV31118-001A	CARTON SPACER(A		36EE
	P 8		GV31118-002A	CARTON SPACER(A		21J,21EE
	P 8		GV30897-004A	CARTON SPACER		11EE
	P 9		GV40256-006A	CORRUGATED SPAC		36EE
	P 9		GV40256-007A	CORRUGATED SPAC		21J,21EE
	P 9		GV40256-005A	CORRUGATED SPAC		11EE