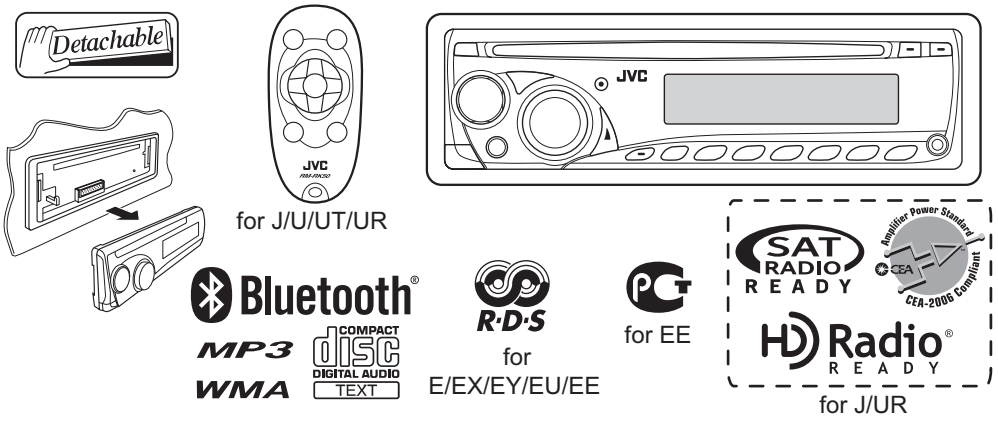
JVC

SERVICE MANUAL

CD RECEIVER

KD-BT11J, KD-BT11E, KD-BT11EX, KD-BT11EY, KD-BT11EU, KD-BT11EE, KD-BT11U, KD-BT11UT, KD-BT19UR, KD-BT12E, KD-BT12EX



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)

TABLE OF CONTENTS

No.MA387<Rev.003>
2008/9

SPECIFICATION

J / UR

AUDIO AMPLIFIER SECTION		
Power Output		20 W RMS × 4 Channels at 4 Ω and < or = 1% THD+N
Signal-to-Noise Ratio		80 dBA (reference: 1 W into 4 Ω)
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	±12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz)
	Mid-range	±12 dB (500 Hz, 1.0 kHz, 1.5 kHz, 2.5 kHz)
	Treble	±12 dB (10.0 kHz 12.5 kHz 15.0 kHz 17.5 kHz)
	Q	Bass: Q1.0, Q1.25, Q 1.5, Q2.0
		Mid-range: Q0.5, Q0.75, Q1.0, Q1.25
Frequency Response		40 Hz to 20 000 Hz
Line-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Subwoofer-Out Level/Impedance		2.5 V /20 kΩ load (full scale)
Output Impedance		1 kΩ
Other Terminal		CD changer jack AUX (auxiliary) input jack Antenna input
TUNER SECTION		
Frequency Range	FM	with channel interval set to 100 kHz or 200 kHz: 87.5 MHz to 107.9 MHz with channel interval set to 50 kHz: 87.5 MHz to 108.0 MHz
	AM	with channel interval set to 10 kHz: 530 kHz to 1 710 kHz with channel interval set to 9 kHz: 531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	35 dB
AM Tuner	Sensitivity	20 μV
	Selectivity	35 dB
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of Channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (MPEG1/2 Audio Layer 3)		Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format		Max. Bit Rate: 192 kbps
BLUETOOTH		
Version		Bluetooth 1.2 certified
Power Class		Class 2 Radio (possible distance 10 m)
Service Area		10 m
Profile		HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C (32°F to 104°F)
Dimensions (W × H × D) (approx.)	Installation Size	182 mm × 52 mm × 160 mm (7-3/16" × 2-1/16" × 6-5/16")
	Panel Size	188 mm × 58 mm × 6 mm (7-7/16" × 2-5/16" × 1/4")
Mass		1.3 kg (2.9 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

E/EX/EY/EU

AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front/Rear	50 W per channel
Continuous Power Output (RMS)	Front/Rear	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	±12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz)
	Mid-range	±12 dB (500 Hz, 1.0 kHz, 1.5 kHz, 2.5 kHz)
	Treble	±12 dB (10.0 kHz 12.5 kHz 15.0 kHz 17.5 kHz)
	Q	Bass: Q1.0, Q1.25, Q 1.5, Q2.0
		Mid-range: Q0.5, Q0.75, Q1.0, Q1.25
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		80 dB
Line-Out/Subwoofer-Out Level/Impedance		2.5 V /20 kΩ load (full scale)
Output Impedance		1 kΩ
Other Terminal		CD changer jack Steering wheel remote input AUX (auxiliary) input jack Aerial input
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 108.0 MHz
	AM	MW: 522 kHz to 1 620 kHz LW: 144 kHz to 279 kHz
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	30 dB
MW Tuner	Sensitivity/Selectivity	20 μV/35 dB
LW Tuner	Sensitivity	50 μV
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of Channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (MPEG1/2 Audio Layer 3)		Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format		Max. Bit Rate: 192 kbps
BLUETOOTH		
Version		Bluetooth 1.2 certified
Power Class		Class 2 Radio (possible distance 10 m)
Service Area		10 m
Profile		HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W × H × D) (approx.)	Installation Size	182 mm × 52 mm × 160 mm
	Panel Size	188 mm × 58 mm × 13 mm
Mass		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

EE

AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front/Rear	50 W per channel
Continuous Power Output (RMS)	Front/Rear	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	±12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz)
	Mid-range	±12 dB (500 Hz, 1.0 kHz, 1.5 kHz, 2.5 kHz)
	Treble	±12 dB (10.0 kHz 12.5 kHz 15.0 kHz 17.5 kHz)
	Q	Bass: Q1.0, Q1.25, Q 1.5, Q2.0
		Mid-range: Q0.5, Q0.75, Q1.0, Q1.25
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		80 dB
Line-Out/Subwoofer-Out Level/Impedance		2.5 V /20 kΩ load (full scale)
Output Impedance		1 kΩ
Other Terminal		AUX (auxiliary) input jack, Aerial input
TUNER SECTION		
Frequency Range	FM1/FM2	87.5 MHz to 108.0 MHz
	FM3	65.00 MHz to 74.00 MHZ
	AM	MW: 522 kHz to 1 620 kHz LW: 144 kHz to 279 kHz
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	30 dB
MW Tuner	Sensitivity/Selectivity	20 μV/35 dB
LW Tuner	Sensitivity:	50 μV
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of Channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (MPEG1/2 Audio Layer 3)		Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format		Max. Bit Rate: 192 kbps
BLUETOOTH		
Version		Bluetooth 1.2 certified
Power Class		Class 2 Radio (possible distance 10 m)
Service Area		10 m
Profile		HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W × H × D) (approx.)	Installation Size	182 mm × 52 mm × 160 mm
	Panel Size	188 mm × 58 mm × 13 mm
Mass		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

U/UT

AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front/Rear	50 W per channel
Continuous Power Output (RMS)	Front/Rear	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	±12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz)
	Mid-range	±12 dB (500 Hz, 1.0 kHz, 1.5 kHz, 2.5 kHz)
	Treble	±12 dB (10.0 kHz 12.5 kHz 15.0 kHz 17.5 kHz)
	Q	Bass: Q1.0, Q1.25, Q 1.5, Q2.0
		Mid-range: Q0.5, Q0.75, Q1.0, Q1.25
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		80 dB
Line-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Subwoofer-Out Level/Impedance		2.5 V /20 kΩ load (full scale)
Output Impedance		1 kΩ
Other Terminal		CD changer jack AUX (auxiliary) input jack Antenna input
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 108.0 MHz
	AM	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	35 dB
AM Tuner	Sensitivity	20 μV
	Selectivity	35 dB
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of Channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (MPEG1/2 Audio Layer 3)		Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format		Max. Bit Rate: 192 kbps
BLUETOOTH		
Version		Bluetooth 1.2 certified
Power Class		Class 2 Radio (possible distance 10 m)
Service Area		10 m
Profile		HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W × H × D) (approx.)	Installation Size	182 mm × 52 mm × 160 mm
	Panel Size	188 mm × 58 mm × 6 mm
Mass		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

> ⚠ ***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.**

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

1.2 Preventing static electricity

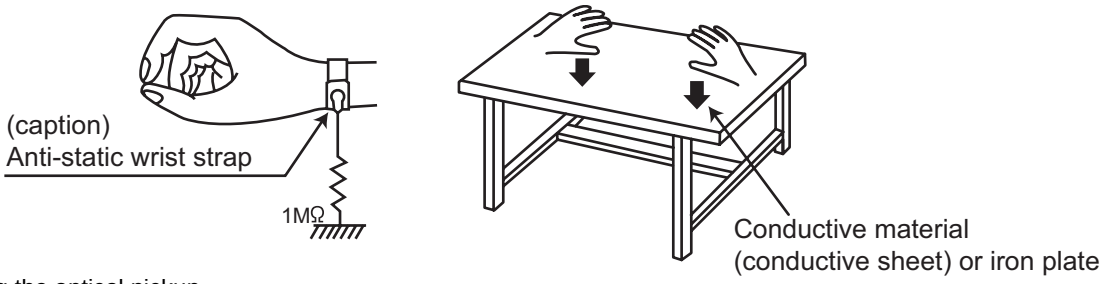
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.2.1 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.

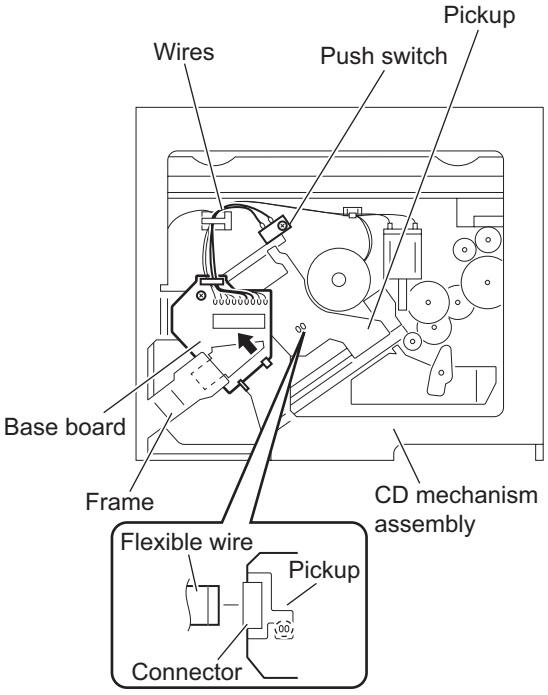
1.3 Handling the traverse unit (optical pickup)

(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) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.4 Attention when traverse unit is decomposed

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

- Apply solder to the short land before the card wire is disconnected from the connector on the pickup unit. (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 after connecting the card wire.



1.5 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.

احتياط: 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) LV44609-003A

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body

3.1.1 Removing the FRONT CHASSIS assembly (See Fig.1)

(1) Disengage the four hooks **a** engaged the both side of the FRONT CHASSIS assembly.

Fig.1

3.1.2 Removing the HEAT SINK (See Fig.2, 3)

(1) Remove the three screws **A** and the two screws **B** attaching the HEAT SINK. (See Fig.2)

(2) Remove the two screws **C** and the one screw **D** attaching the HEAT SINK. (See Fig.3)

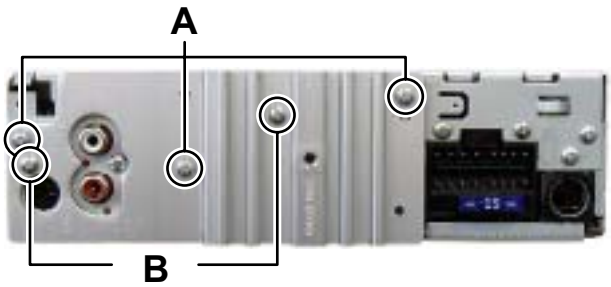


Fig.2

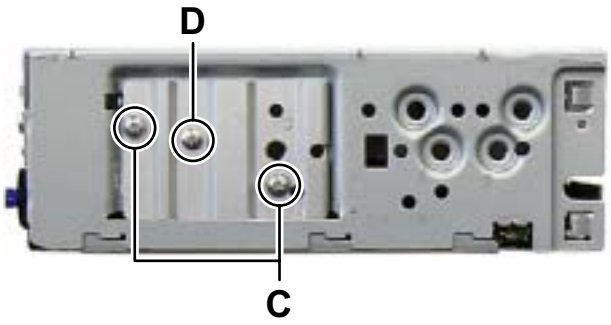


Fig.3

3.1.3 Removing the BOTTOM COVER (See Fig.4)

(1) Remove the one screw **E** attaching the BOTTOM COVER.
(2) Slide the BOTTOM COVER to backward.

Fig.4

3.1.4 Removing the MAIN BOARD assembly (See Fig.5, 6)

(1) Remove the two screws **F** and the one screw **G** attaching the MAIN BOARD assembly. (See Fig.5)
(2) Remove the two screws **H** attaching the MAIN BOARD assembly. (See Fig.6)
(3) Disconnect the connector CN501 connected to MAIN BOARD assembly and CD MECHANISM assembly. (See Fig.6)

Fig.5

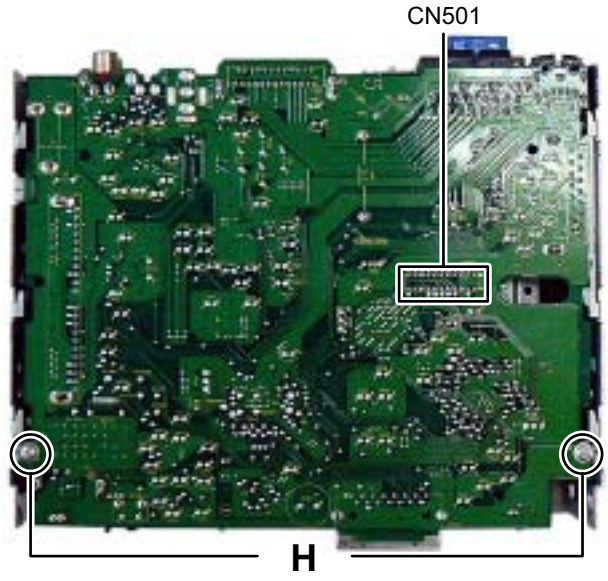


Fig.6

3.1.5 Removing the CD MECHANISM assembly (See Fig.7)

(1) Remove the three screws **J** attaching the CD MECHANISM assembly.

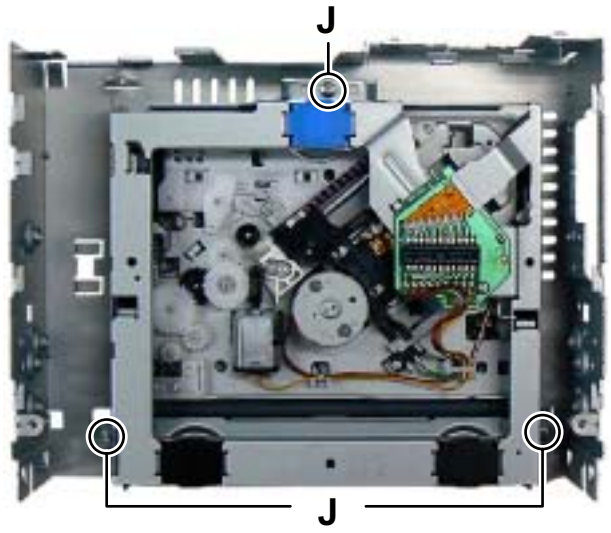


Fig.7

3.1.6 Removing the SWITCH BOARD assembly (See Fig.8)

(1) Remove the VOLUME KNOB.
(2) Remove the four screws **K** attaching the REAR COVER.
(3) Disengage the nine hooks **b** engaged the REAR COVER.

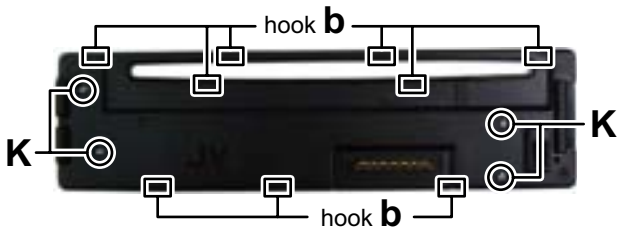


Fig.8

3.2 CD mechanism assembly

3.2.1 Removing the top cover (See Figs.1 and 2)

(1) From the both side of the CD mechanism assembly, remove the four screws **A** attaching the top cover. (See Fig.1.)

(2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**. (See Figs.1 and 2.)

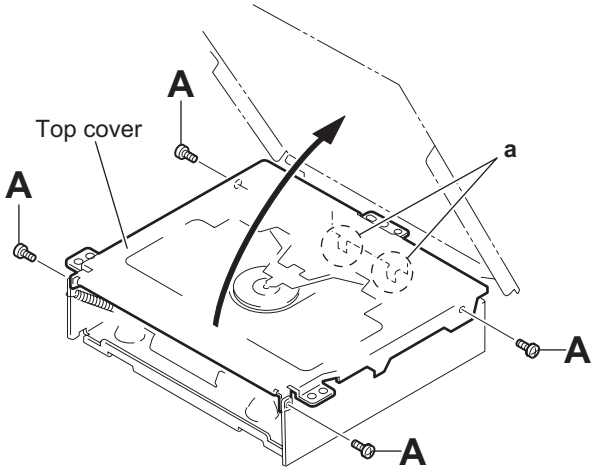


Fig.1

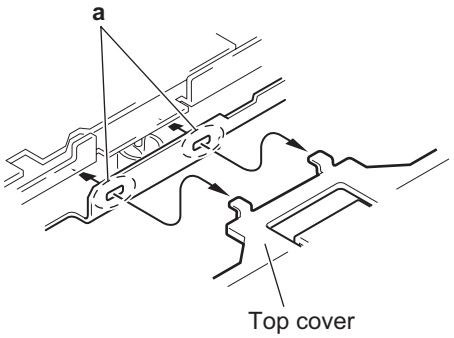


Fig.2

3.2.2 Removing the push switch (See Figs.3)

(1) From the bottom side of the CD mechanism assembly, remove the screw **B** attaching the push switch.
(2) Take out the push switch from the CD mechanism assembly.

Reference:

Remove the wires from soldered sections **b** of the push switch as required.

3.2.3 Removing the base board (See Figs.3 and 4)

Caution:

Solder the short land **c** before the flexible wire is disconnected from the connector on the pickup. If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity. (See Fig.3.)

(1) From the bottom side of the CD mechanism assembly, remove the screw **C** attaching the base board. (See Figs.3 and 4.)
(2) Solder the short land c on the pickup. (See Fig.3.)
(3) Disconnect the flexible wire from the connector on the pickup. (See Fig.3.)
(4) Remove the base board from the joints **d** of the frame in the direction of the arrow. (See Figs.3 and 4.)

Reference:

Remove the wires from the soldered sections **e** on the base board as required. (See Fig.3.)

Caution:

When reattaching the base board, be sure to remove solder from the short land c after connecting the flexible wire. (See Fig.3.)

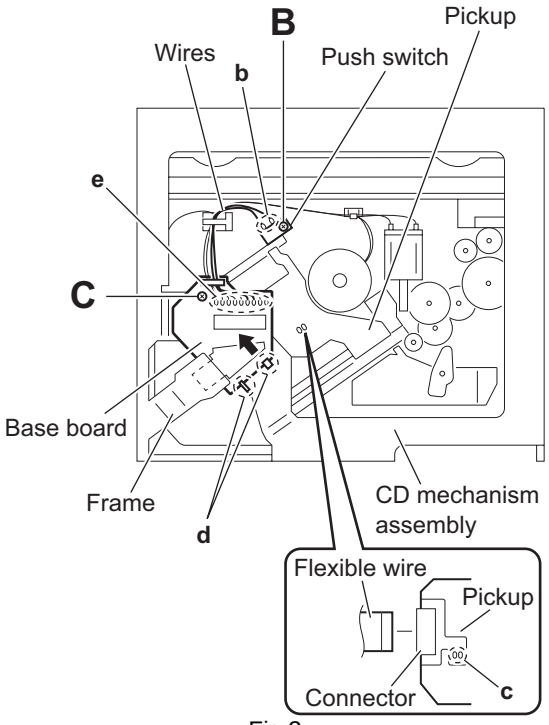


Fig.3

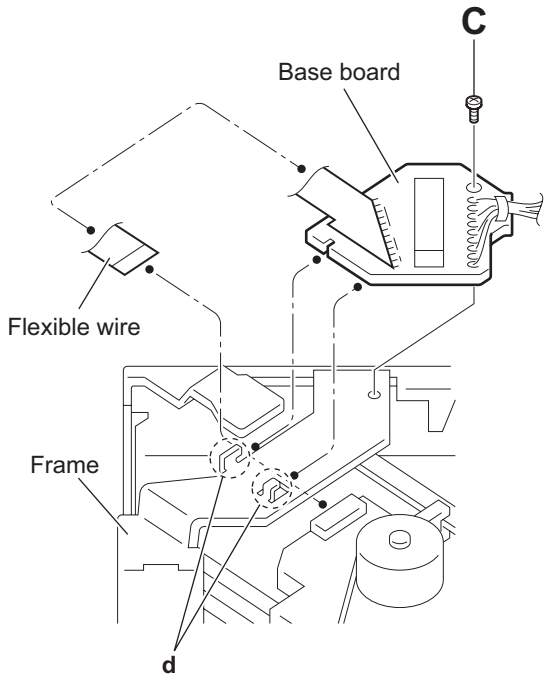


Fig.4

3.2.4 Removing the chassis unit (See Figs.5 and 6)

- Remove the top cover and base board.
  (1) From the top side of the CD mechanism assembly, remove the front suspension springs and rear suspension springs attaching the chassis unit to the frame. (See Fig.5.)
  (2) Remove the chassis unit from the dampers on the frame in an upward direction. (See Fig.6.)

Note:

- Pay attention to misuse and loss of each spring. (See Fig.5.)
- When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly. (See Fig.6.)

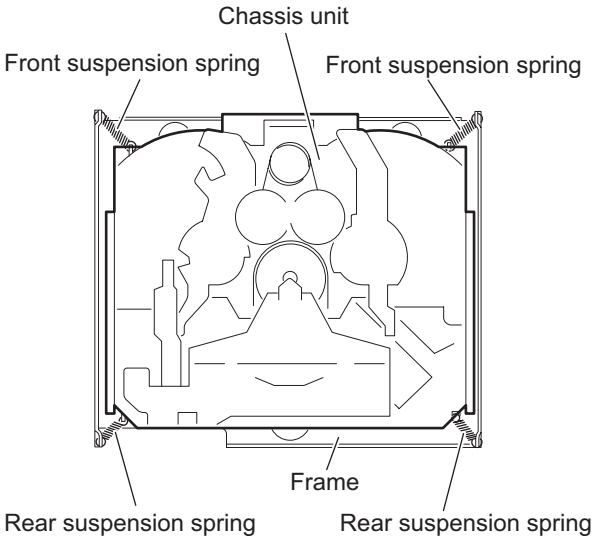


Fig.5

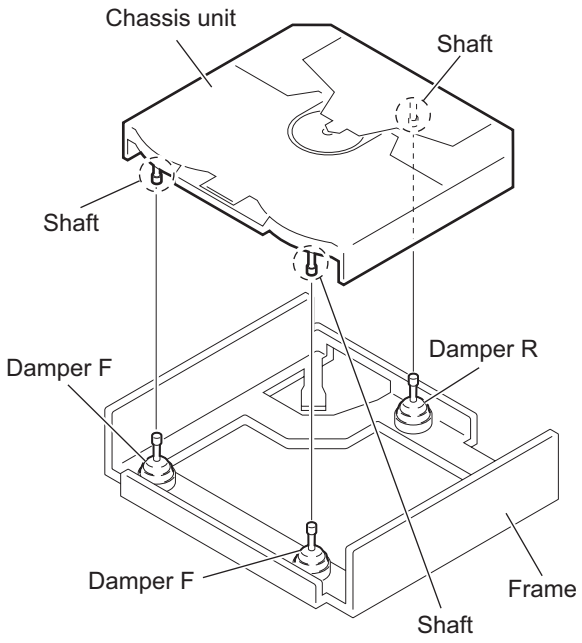


Fig.6

3.2.5 Removing the clamper assembly (See Figs.7 and 8)

• Remove the top cover.

Move the clamper assembly in the direction of the arrow to release the joints **f** from the chassis unit.

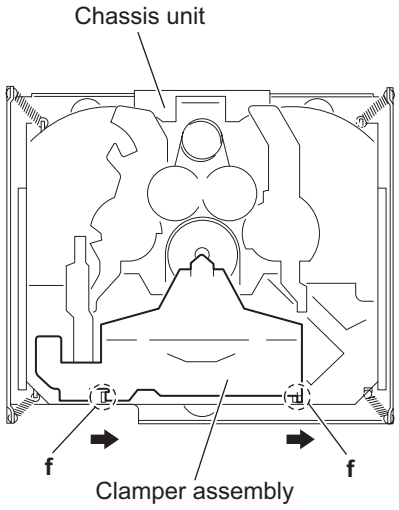


Fig.7

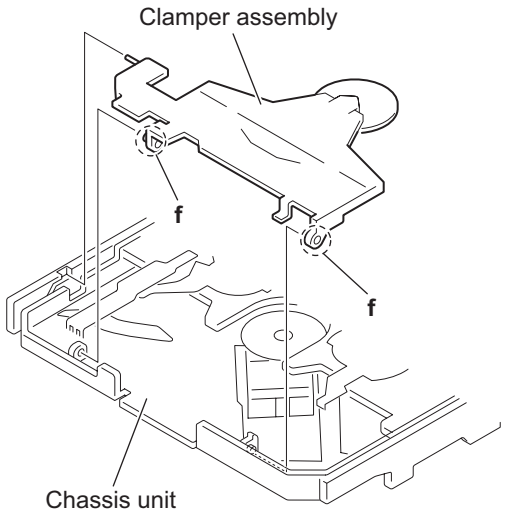


Fig.8

3.2.6 Removing the loading/feed motor assembly (See Fig.9)

• Remove the top cover, base board and chassis unit.

From the bottom side of the chassis unit, remove the screw **D** and take out the loading/feed motor assembly in the direction of the arrow.

Reference:

Remove the wires from the soldered sections **g** of the loading/feed motor assembly as required.

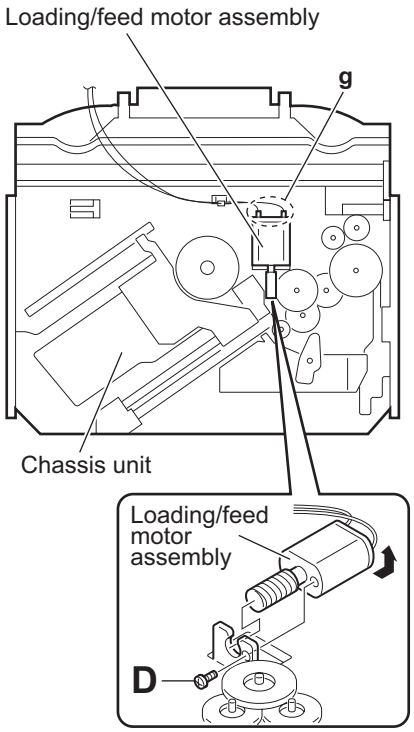


Fig.9

3.2.7 Removing the pickup (See Figs.10 to 12)

- Remove the top cover, base board and chassis unit.
  (1) From the bottom side of the chassis unit, remove the screw **E** attaching the pu. shaft holder B and pull the pu. shaft out of the pu. shaft holder A. (See Fig.10.)
  (2) Remove the screw **F** attaching the pu. shaft holder A. (See Fig.10.)
  (3) Take out the pickup with pu. shaft holder A and feed screw assembly from the chassis unit. (See Fig.11.)
  (4) Remove the section **h** of the pu. shaft holder A in the direction of the arrow. (See Fig.11.)
  (5) Remove the feed screw assembly from the section **j** of the pickup in the direction of the arrow. (See Fig.11.)
  (6) Remove the screw **G** attaching the feed screw holder to the pickup. (See Fig.12.)

  Reference:
  Remove the feed nut spring from the feed screw holder as required. (See Fig.12.)
  (7) Release the claw **k** in the direction of the arrow to remove the feed sub holder. (See Fig.12.)

3.2.8 Reattaching the pickup (See Figs.10 to 13)

  (1) Reattach the feed sub holder to the pickup. (See Fig.12.)
  (2) Reattach the feed screw holder to the pickup using the screw **G**. (See Fig.12.)
  (3) Reattach the feed screw assembly and pu. shaft holder A to the pickup as before. (See Fig.11.)
  (4) Set the section **m** of the pickup to the rail of the chassis unit at first and attach the pickup to the chassis unit with the screw **F** as before. (See Figs.10 and 13.)
  (5) Attach the pu. shaft to the pickup as before. (See Fig.10.)
  (6) Attach the pu. shaft holder B to the chassis unit with the screw **E** as before. (See Fig.10.)

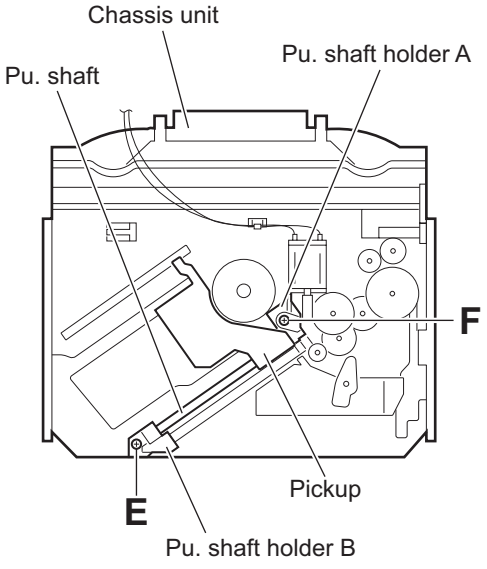


Fig.10

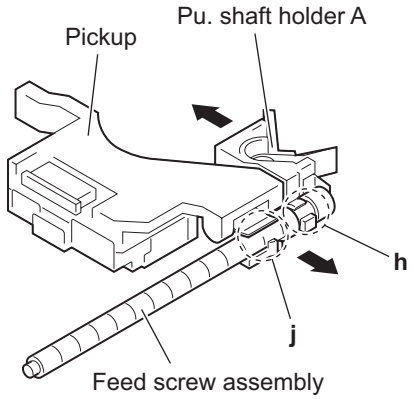


Fig.11

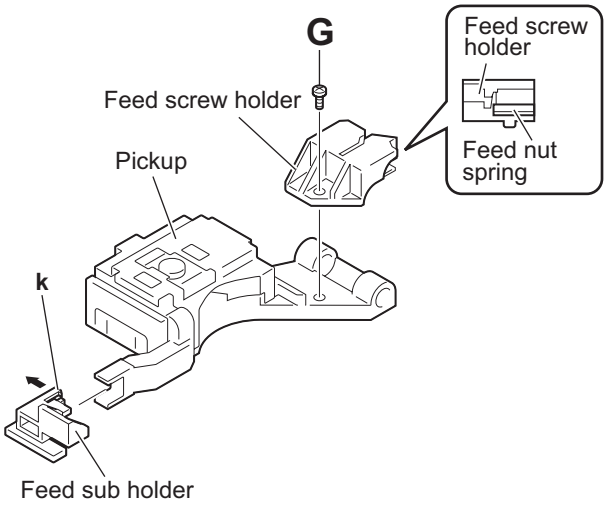


Fig.12

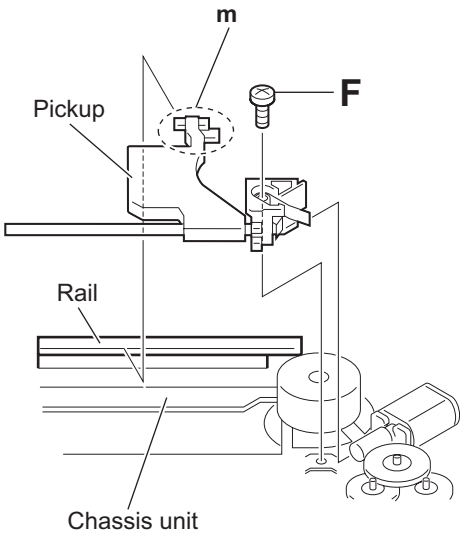


Fig.13

3.2.9 Removing the trigger arm (See Fig.14)

- Remove the top cover, base board, chassis unit and clamper assembly.
  (1) From the top side of the chassis unit, remove the trigger arm spring from the sections (**n**, **p**).
  (2) From the bottom side of the chassis unit, release the claws **q** of the trigger arm base in the direction of the arrow to remove them from the sections **r** of the chassis unit to the other side.

  Note:
  When releasing the claws **q**, take care not to break them.
  (3) From the top side of the chassis unit, move the select arm R and select lock arm in the direction of the arrow to remove the trigger arm base from the section **s** in the direction of the arrow.
  (4) Remove the trigger arm from the section **t**.

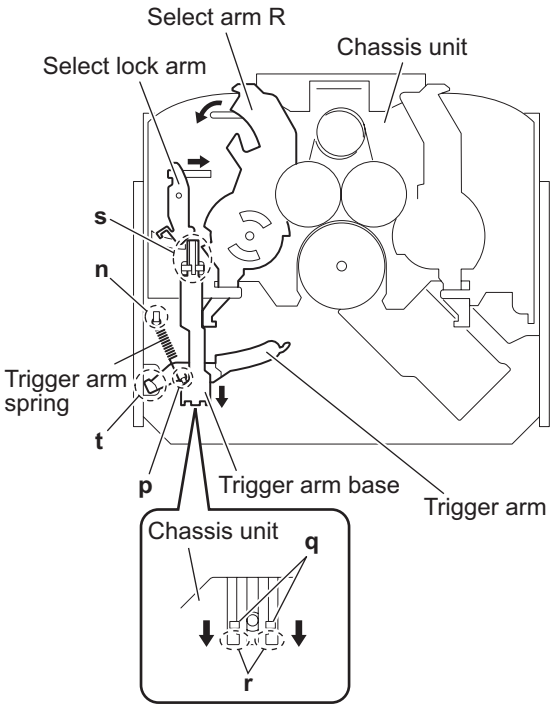


Fig.14

3.2.10 Removing the top plate assembly (See Fig.15)

- Remove the top cover, base board, chassis unit, clamper assembly and trigger arm.
  (1) Remove the screw **H** attaching the top plate assembly.
  (2) Move the top plate assembly in the direction of the arrow to release the joints (**u**, **v**).

Reference:
Remove the wires from the soldered sections **w** of the top plate assembly as required.

Note:
When reassembling, solder the wires as before.

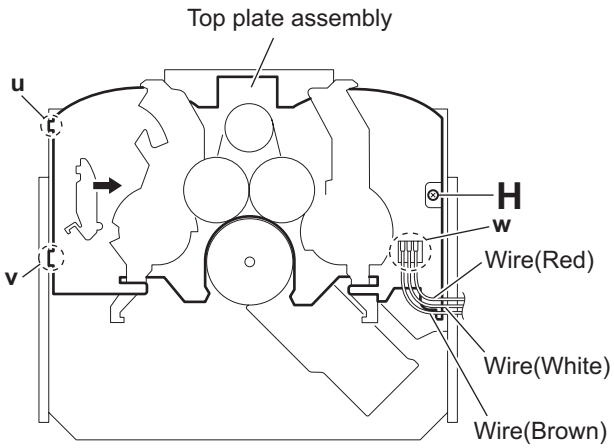


Fig.15

3.2.11 Removing the mode switch
(See Fig.16)

- Remove the top cover, base board, chassis unit, clamper assembly, trigger arm and top plate assembly.
  (1) From the top side of the top plate assembly, remove the link gear spring from the sections **x** of the link gear L and link gear R.
  (2) Remove the link gear L in an upward direction while releasing the claws **y** of the link gear L in the direction of the arrow.
  (3) Move the mode switch in the direction of the arrow 1 to remove the sections **z** of the top plate assembly.
  (4) Move the mode switch in the direction of the arrow 2 and remove the mode switch from the sections (**aa**, **ab**).

Note:

When reattaching the link gear L, attach it after aligning the hole **ac** of the link gear L to the hole **ac** of the link gear R.

Reference:

When reassembling, reverse the above removing procedure.

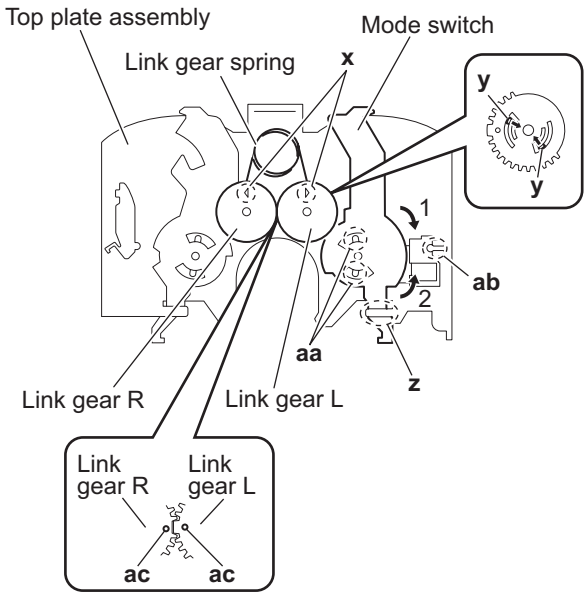


Fig.16

3.2.12 Removing the select arm R and select lock arm (See Figs.17 and 18)

- Remove the top cover, base board, chassis unit, clamper assembly, trigger arm and top plate assembly.
  (1) From the top side of the top plate assembly, remove the link gear spring from the sections **ad** of the link gear L and link gear R. (See Fig.17.)
  (2) Remove the link gear R in an upward direction while releasing the claws **ae** of the link gear R in the direction of the arrow. (See Fig.17.)
  (3) Move the select arm R in the direction of the arrow 1 to remove the sections **af** of the top plate assembly. (See Fig.17.)
  (4) Move the select arm R in the direction of the arrow 2 and remove the select arm R from the sections **ag**. (See Fig.17.)
  (5) From the bottom side of the top plate assembly, remove the select lock arm spring from the section **ah**. (See Fig.18.)
  (6) From the top side of the top plate assembly, remove the section **aj** of the select lock arm from the top plate assembly at first and remove the sections (**ak**, **am**) of the select lock arm from the top plate assembly. (See Fig.18.)

Note:

- When removing the select lock arm spring, be careful not to lose it. (See Fig 18.)
- When reattaching the link gear R, attach it after aligning the hole **an** of the link gear R to the hole **an** of the link gear L. (See Fig.17.)

Reference:

When reassembling, reverse the above removing procedure.

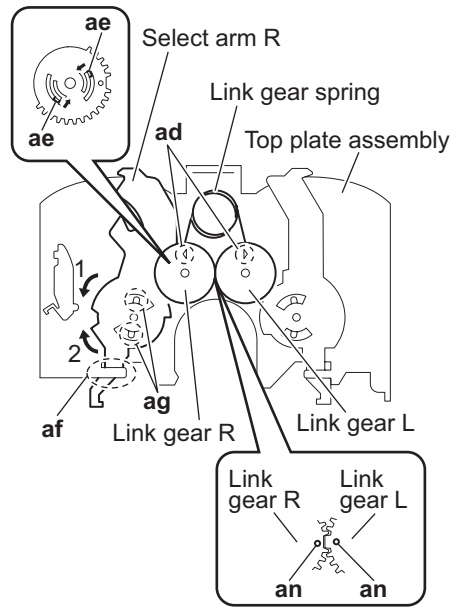


Fig.17

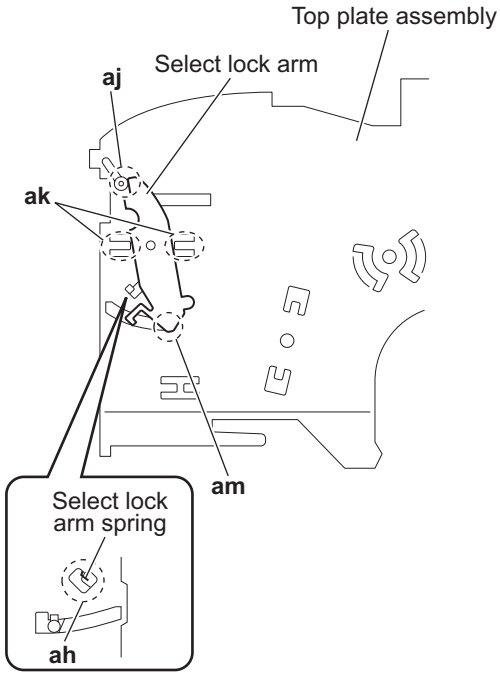


Fig.18

3.2.13 Removing the loading roller assembly (See Figs.19 to 21)

- Remove the top cover, base board, chassis unit, clamper assembly and top plate assembly.
  (1) From the left side of the chassis unit, remove the screw **J** attaching the lock arm assembly. (See Fig.19.)
  (2) Remove the projection **ap** of the lock arm assembly from the joint **aq** while opening the cam plate R in the direction of the arrow. (See Fig.19.)
  (3) Remove the lock arm assembly from the projection **ar** of the chassis unit. (See Fig.19.)
  (4) Remove the projection **as** of the lock arm assembly from the joint **at** of the cam plate L assembly. (See Fig.19.)
  (5) From the right side of the lock arm assembly, remove the loading roller spring L from the section **au**. (See Fig.20.)
  (6) From the top side of the lock arm assembly, remove the loading roller spring R in the direction of the arrow and remove the loading roller assembly. (See Fig.20.)
  (7) Remove the roller guide R, HL washer and roller guide L from the both ends of the loading roller assembly. (See Fig.21.)

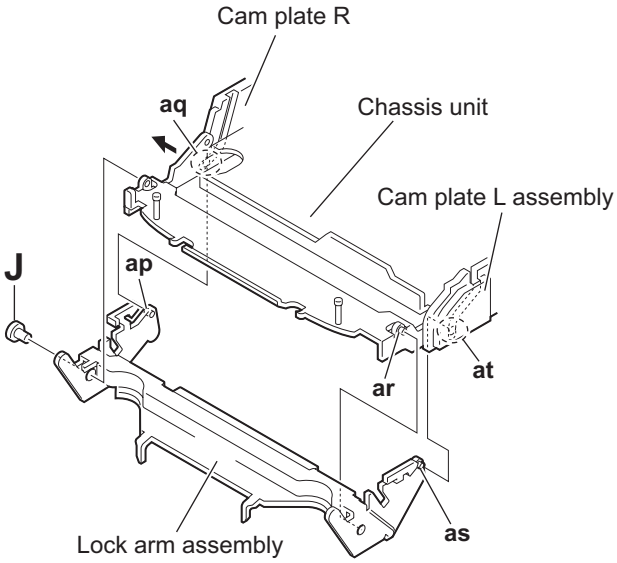


Fig.19

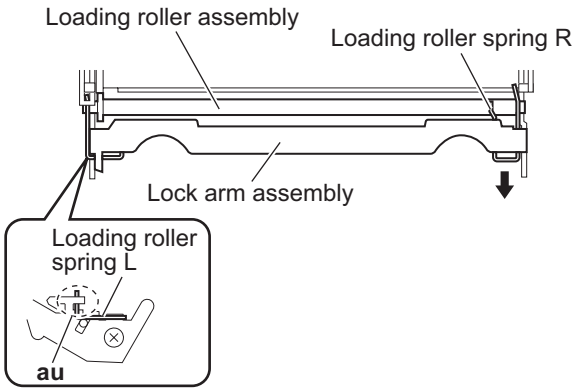


Fig.20

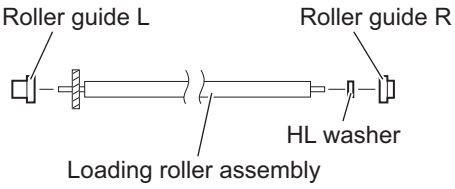


Fig.21

3.2.14 Removing the loading gear 1, loading gear 2, loading gear 3 and feed gear 1 (See Fig.22)

- Remove the top cover, base board and chassis unit.
  (1) From the bottom side of the chassis unit, pull out the loading gear 1.
  (2) Take out the loading gear 2.
  (3) Pull out the loading gear 3.
  (4) Pull out the feed gear 1.

3.2.15 Removing the loading gear 4, loading gear 5 and loading gear 6 (See Fig.22)

- Remove the top cover, base board and chassis unit.
  (1) From the bottom side of the chassis unit, remove the screw **K** attaching the loading gear bracket.
  (2) Take out the loading gear bracket and remove the loading gear 5 and loading gear 6 from the loading gear bracket.
  (3) Pull out the loading gear 4.

3.2.16 Removing the change gear 2, change gear 3A and change gear 3B (See Figs.22 and 23)

- Remove the top cover, base board and chassis unit.
  (1) From the bottom side of the chassis unit, pull out the loading gear 1. (See Fig.22.)
  (2) Pull out the change gear 2. (See Fig.22.)
  (3) Pull out the change arm. (See Fig.22.)
  (4) Move the change gear plate rivet assembly in the direction of the arrow 2 to remove the section **av** of the change gear plate rivet assembly from the chassis unit while moving the change lock lever in the direction of the arrow 1. (See Fig.23.)
  (5) Pull out the change gear 3A and change gear 3B from the change gear plate rivet assembly. (See Fig.23.)

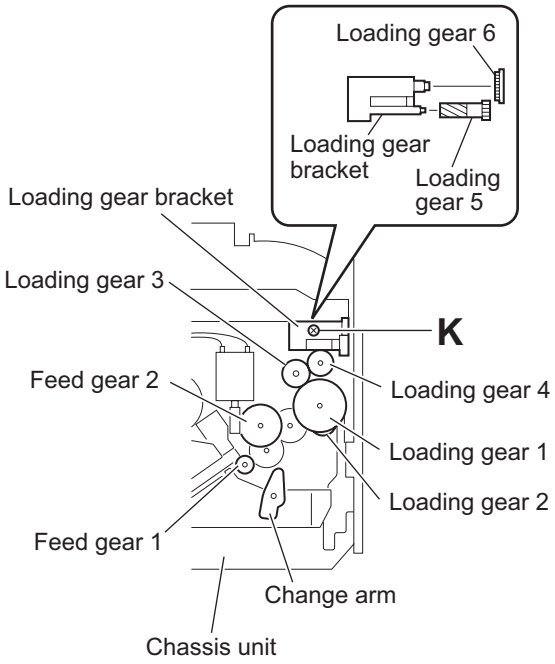


Fig.22

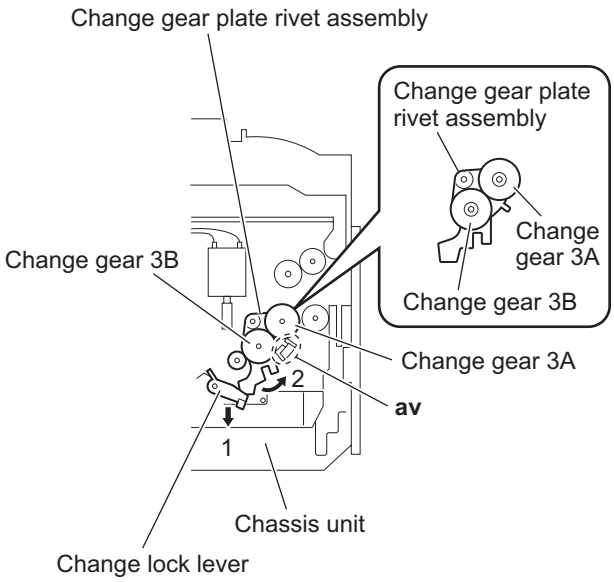


Fig.23

3.2.17 Removing the cam plate L assembly (See Fig.24)

- Remove the top cover, base board, chassis unit, clamper assembly, top plate assembly and loading roller assembly.
  (1) From the left side of the chassis unit, slide the cam plate L assembly in the direction of the arrow.
  (2) Remove the cam plate L assembly from the slots **aw** of the chassis unit.

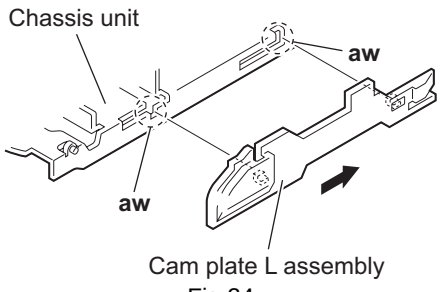


Fig.24

3.2.18 Removing the cam plate R
(See Fig.25)

- Remove the top cover, base board, chassis unit, clamper assembly, top plate assembly and loading roller assembly.

From the right side of the chassis unit, remove the cam plate R from the slots **ax** of the chassis unit.

Reference:

When a slide hook rivet assembly and a trigger rack spring have come off from the chassis unit, attach them before attaching the cam plate R.

3.2.19 Removing the trigger rack plate
(See Figs.25 and 26)

- Remove the top cover, base board, chassis unit, clamper assembly, top plate assembly, loading roller assembly and cam plate R.
  (1) Remove the slide hook rivet assembly and trigger rack spring from the chassis unit. (See Fig.25.)
  (2) From the bottom side of the chassis unit, pull out the loading gear 1. (See Fig.26.)
  (3) Remove the trigger control spring from the sections (**ay**, **az**). (See Fig.26.)
  (4) Take out the trigger rack plate from the chassis unit. (See Fig.26.)

Reference:

When attaching the trigger rack plate, insert the projection **a'** of the chassis unit in the slot **b'** on the bottom side of the trigger rack plate as before. (See Fig.26.)

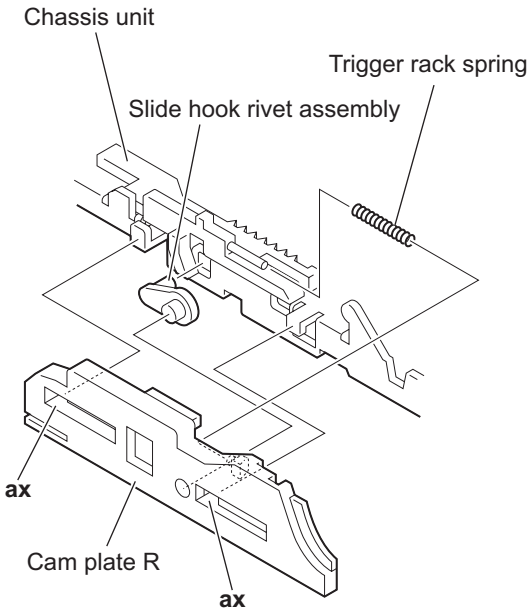


Fig.25

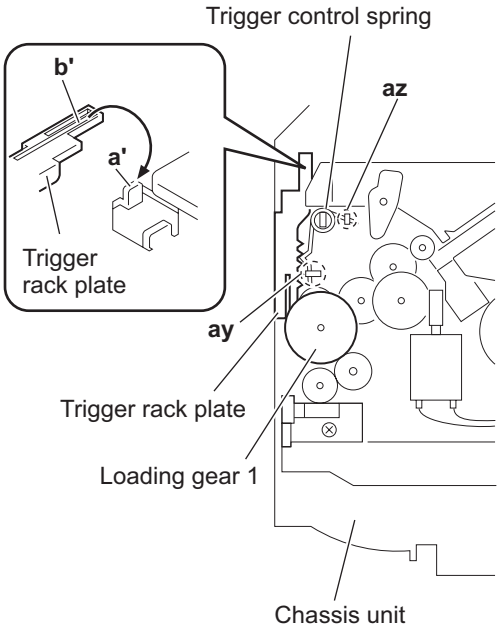


Fig.26

3.2.20 Removing the spindle motor assembly (See Figs.27 and 28)

- Remove the top cover, base board, chassis unit and clamper assembly.
  (1) From the top side of the chassis unit, turn the turn table from side to side and remove the two screws **M** attaching the spindle motor assembly through the hole of the turn table. (See Fig.27.)
  (2) From the bottom side of the chassis unit, turn the change gear 2 in the direction of the arrow 2 while pulling the trigger arm in the direction of the arrow 1 and let the pickup move in the direction of the arrow 3. (See Fig.28.)
  (3) Slide the spindle motor assembly in the direction of the arrow and take out it in an upward direction from the chassis unit. (See Fig.28.)

Reference:

Remove the wires from the soldered sections **c'** on the base board and remove them from the sections (**d'**, **e'**) on the chassis unit as required.

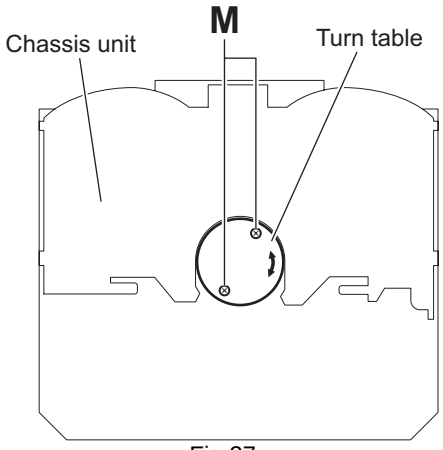


Fig.27

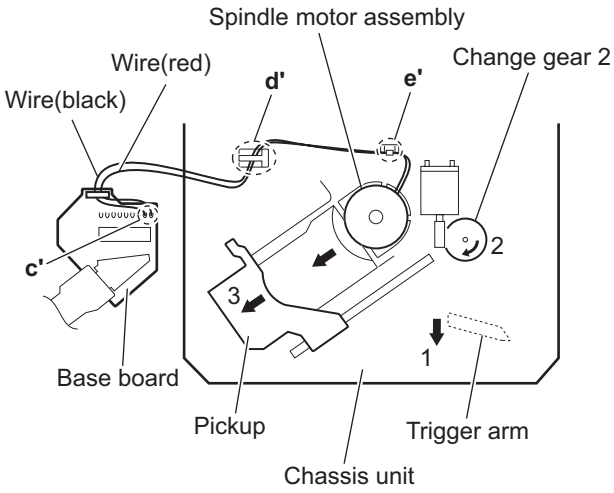


Fig.28

SECTION 4
ADJUSTMENT

4.1 Test instruments required for adjustment

(1) Digital oscilloscope (100MHz)
(2) Electric voltmeter
(3) Digital tester
(4) Tracking offset meter
(5) Test Disc JVC :CTS-1000
(6) Extension cable for check
EXTSH002-22P x 1

4.2 Standard measuring conditions

Power supply voltage DC14.4V(10.5 to 16V)
Load impedance 20K.(2 Speakers connection)
Output Level Line out 2.5V (Vol. MAX)

4.3 Standard volume position

Balance and Bass &Treble volume : Indication"0"
Loudness : OFF

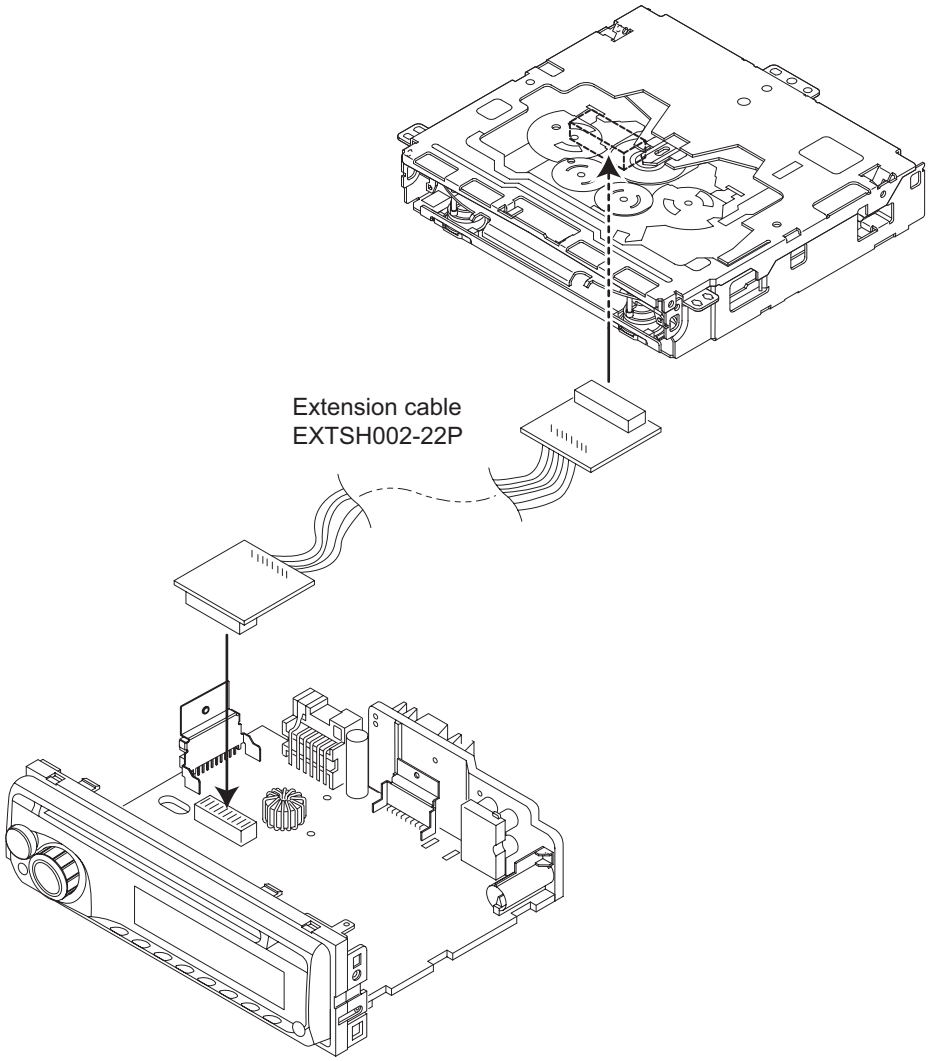
4.4 Dummy load

Exclusive dummy load should be used for AM,and FM.
For FM dummy load, there is a loss of 6dB between SSG output and antenna input.
The loss of 6dB need not be considered sincedirect reading of figures are applied in this working standard.

4.5 How to connect the extension cable for adjusting

Caution:

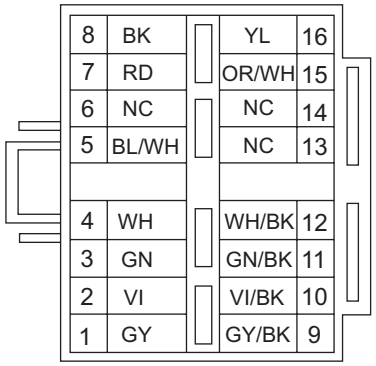
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power. If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

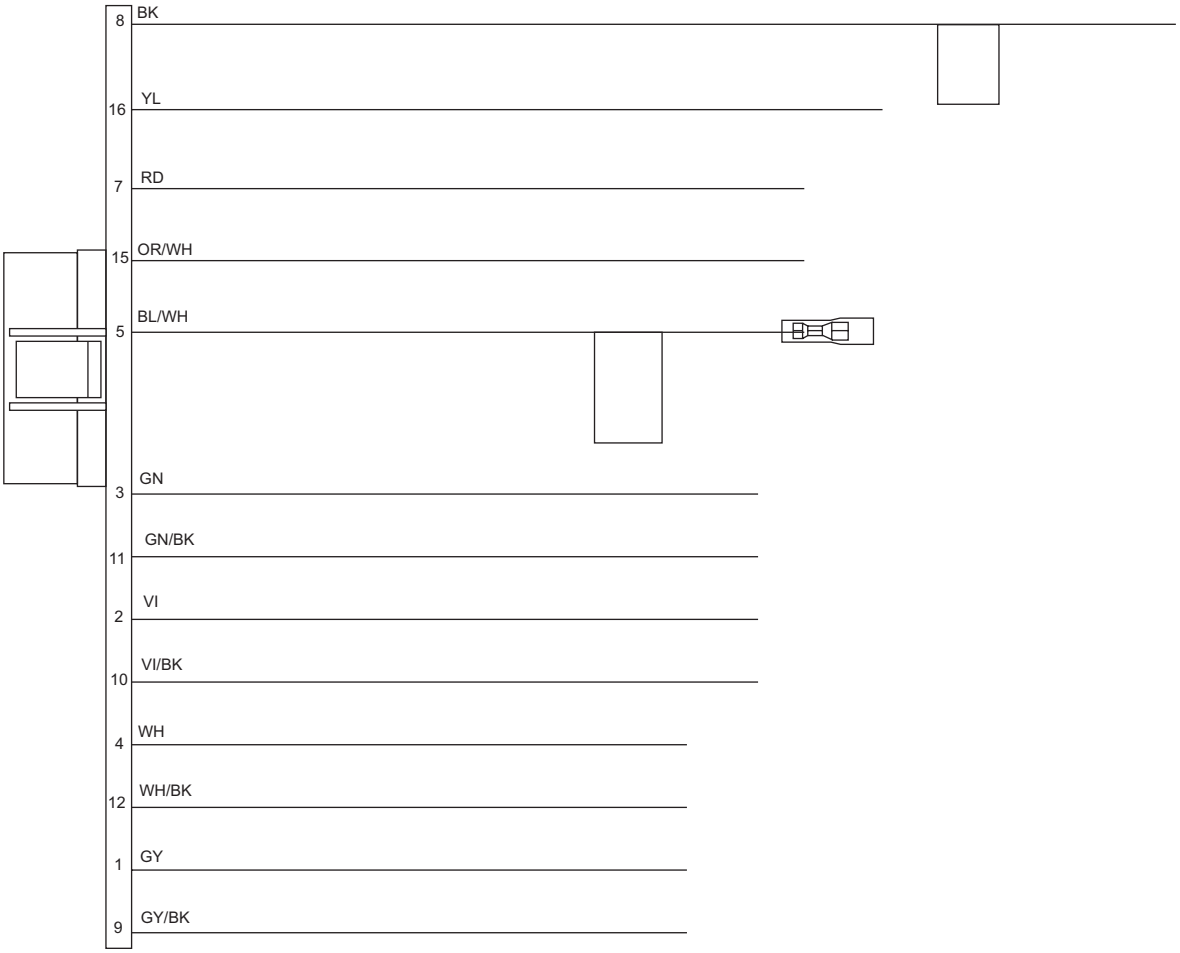


SECTION 5
TROUBLESHOOTING

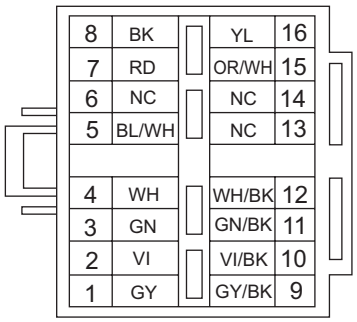
5.1 16 PIN CORD DIAGRAM (for KD-BT11J)

BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow
OR	Orange		

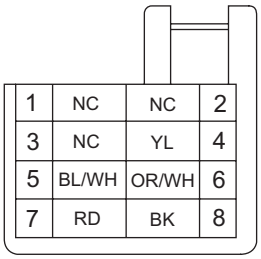


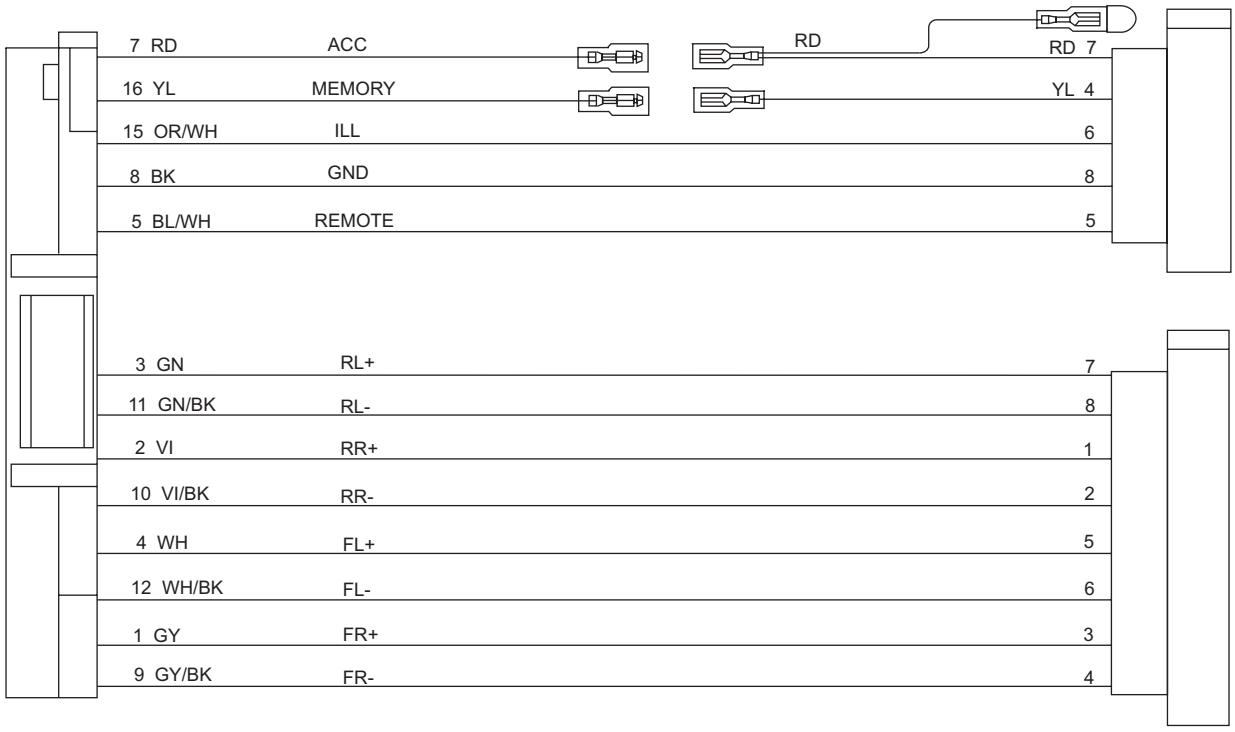


5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR,KD-BT12E,EX)

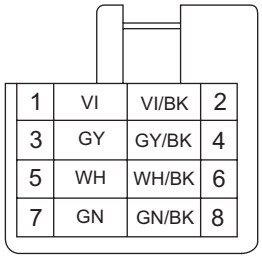


BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow
OR	Orange		



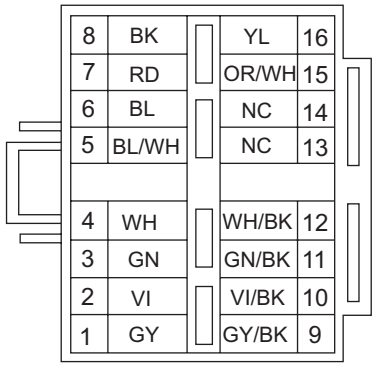


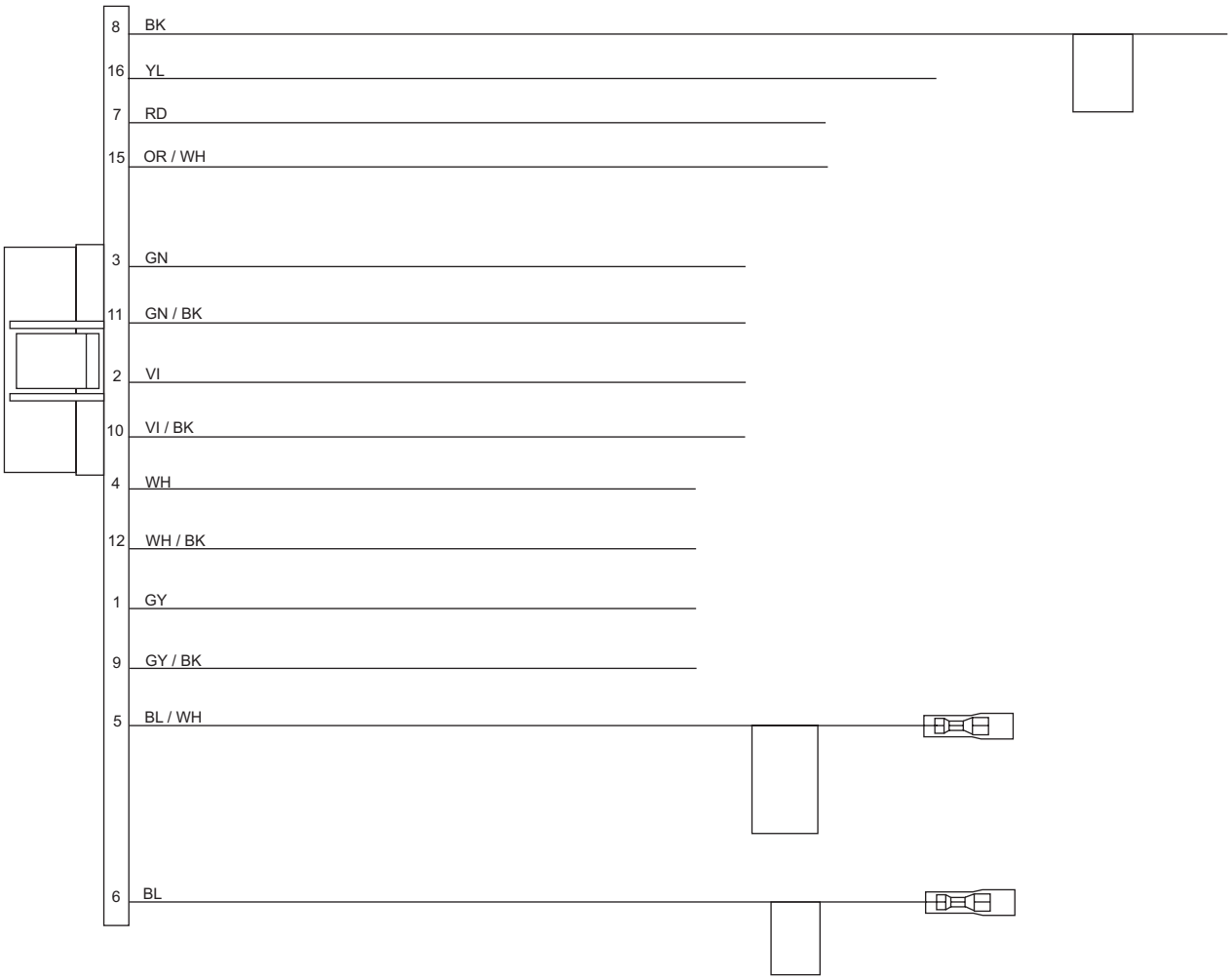
RR	Rear Right	REMOTE	Remote out
FR	Front Right	ACC	ACC Line
FL	Front Left	MEMORY	Memory Backup Battery+
RL	Rear Left	GND	Ground
		ILL	Illuminations Control



5.3 16 PIN CORD DIAGRAM (for KD-BT11U,UT)

BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow
		OR	Orange





JVC

Victor Company of Japan, Limited
Mobile Entertainment Division 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA387<Rev.003>)

Printed in Japan
VPT

JVC

REVISION INFORMATION

CD RECEIVER

KD-BT11J, KD-BT11E, KD-BT11EX, KD-BT11EY, KD-BT11EU, KD-BT11EE, KD-BT11U, KD-BT11UT, KD-BT19UR

■ OVERVIEW

Add KD-BT19UR

■ DETAILS

COVER SECTION

Title	Line	No.MA387<Rev.001>	No.MA387<Rev.002>	Description
Revision		Rev.001	Rev.002	
Issue Date		2008/01	2008/06	
Model No.		KD-BT11E, KD-BT11EE, KD-BT11EU, KD-BT11EX, KD-BT11EY, KD-BT11J, KD-BT11U, KD-BT11UT	KD-BT11E, KD-BT11EE, KD-BT11EU, KD-BT11EX, KD-BT11EY, KD-BT11J, KD-BT11U, KD-BT11UT, KD-BT19UR	
Cover Illustration		ILLUSTRATION(ma387_0001.png)	ILLUSTRATION(ma387_0001.png)	
SPECIFICATION	1	J	J / UR	

SECTION 5 TROUBLESHOOTING

Title	Line	No.MA387<Rev.001>	No.MA387<Rev.002>	Description
5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR)	T	5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE)	5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR)	

STANDARD SCHEMATIC DIAGRAMS

Description of Major ICs

Diagram Name	No.MA387<Rev.001>	No.MA387<Rev.002>	Description
Menu	-	IC201: NAU0004-003 NAU0004-003.xml	

PARTS LIST

MODEL No. LIST

Model No.	No.MA387<Rev.002>
KD-BT11E	02
KD-BT11EE	06
KD-BT11EU	05
KD-BT11EX	03
KD-BT11EY	04
KD-BT11J	01
KD-BT11U	07
KD-BT11UT	08
KD-BT19UR	09

Geneeal assembly [M1]

⚠	Symbol		or	Part No. <Rev.001>	Part No. <Rev.002>	Part Name	Description	Qty	Models
	M1	24		----------	GE32864-012A	F.PANEL HI ASSY	(Addition)	1	09
	M1	25		----------	GE32866-021A	FINDER ASSY	(Addition)	1	09
	M1	30		----------	GE32817-006A	DETACH BTN	(Addition)	1	09

Main board [01]

⚠	Symbol		or	Part No. <Rev.001>	Part No. <Rev.002>	Part Name	Description	Qty	Models
⚠	01	IC201		----------	NAU0004-003	RF MODULE	(Addition)	1	09
	01	D1		----------	MA111-X	SI DIODE	(Addition)	1	09
	01	D2		----------	MA111-X	SI DIODE	(Addition)	1	09
	01	D201		----------	MA8056/M/-X	Z DIODE	(Addition)	1	09
	01	D202		----------	MA8056/M/-X	Z DIODE	(Addition)	1	09
	01	D203		----------	MA8056/M/-X	Z DIODE	(Addition)	1	09
	01	D204		----------	MA8056/M/-X	Z DIODE	(Addition)	1	09
	01	D301		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D302		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D303		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D304		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D341		----------	MA111-X	SI DIODE	(Addition)	1	09
	01	D351		----------	MA111-X	SI DIODE	(Addition)	1	09
	01	D714		----------	MA8056/M/-X	Z DIODE	(Addition)	1	09
	01	D720		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D721		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D722		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D723		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	01	D782		----------	MA111-X	SI DIODE	(Addition)	1	09
	01	D784		----------	MA8110/M/-X	Z DIODE	(Addition)	1	09
	01	C732		----------	NCJA0JK-474W-R	C CAPACITOR	(Addition)	1	09
	01	L1		----------	NQL10A3-4N7X	COIL	(Addition)	1	09
	01	CN1		----------	NNZ0196-001X	COAXIAL JACK	(Addition)	1	09

Switch board [02]

⚠	Symbol		or	Part No. <Rev.001>	Part No. <Rev.002>	Part Name	Description	Qty	Models
	02	D663		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	02	D664		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	02	D665		----------	MA8062/M/-X	Z DIODE	(Addition)	1	09
	02	R656		----------	NRS181J-181X	MG RESISTOR	(Addition)	1	09
	02	R664		----------	NRSA63J-102X	MG RESISTOR	(Addition)	1	09
	02	R670		----------	NRSA63J-102X	MG RESISTOR	(Addition)	1	09
	02	R672		----------	NRSA63J-102X	MG RESISTOR	(Addition)	1	09

Packing and accessories [M3]

⚠	Symbol		or	Part No.		Part Name	Description	Qty	Models
				<Rev.001>	<Rev.002>				
	M3	A9		----------	GE20235-002A	TRIM PLATE	(Addition)	1	09
	M3	P8		----------	GE40218-095A	MIRAMA SHEET	(Addition)	1	09

JVC
Victor Company of Japan, Limited
Mobile Entertainment Business Group Mobile Entertainment Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(MA387-R002)

Printed in Japan
VPT

JVC

REVISION INFORMATION

CD RECEIVER

KD-BT11J, KD-BT11E, KD-BT11EX, KD-BT11EY, KD-BT11EU, KD-BT11EE, KD-BT11U, KD-BT11UT, KD-BT19UR, KD-BT12E, KD-BT12EX

■ OVERVIEW

Add KD-BT12E and KD-BT12EX.

■ DETAILS

COVER SECTION

Title	Line	No.MA387<Rev.002>	No.MA387<Rev.003>	Description
Revision		Rev.002	Rev.003	
Issue Date		2008/06	2008/09	
Model No.		KD-BT11E, KD-BT11EE, KD-BT11EU, KD-BT11EX, KD-BT11EY, KD-BT11J, KD-BT11U, KD-BT11UT, KD-BT19UR	KD-BT11E, KD-BT11EE, KD-BT11EU, KD-BT11EX, KD-BT11EY, KD-BT11J, KD-BT11U, KD-BT11UT, KD-BT12E, KD-BT12EX, KD-BT19UR	
Cover Illustration		ILLUSTRATION(ma387_0001.png)	ILLUSTRATION(ma387_0001.png)	
Category		Mobile Entertainment Business Group Mobile Entertainment Category	Mobile Entertainment Division	
0 COVER	1		Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)	
	2	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)	
	3	Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)	-	

SECTION 5 TROUBLESHOOTING

Title	Line	No.MA387<Rev.002>	No.MA387<Rev.003>	Description
5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR,KD-BT12E,EX)	T	5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR)	5.2 16 PIN CORD DIAGRAM (for KD-BT11E,EX,EY,EU,EE, KD-BT19UR,KD-BT12E,EX)	

STANDARD SCHEMATIC DIAGRAMS

Schematic Diagram

Diagram Name	No.MA387<Rev.002>	No.MA387<Rev.003>	Description
Menu	LCD & Key control section	LCD and Key control section	

Description of Major ICs

Diagram Name	No.MA387<Rev.002>	No.MA387<Rev.003>	Description
Menu	-	IC701: UPD78F1167GC1AF UPD78F1167GC1AF.xml	

PARTS LIST

MODEL No. LIST

Model No.	No.MA387<Rev.003>
KD-BT11E	02
KD-BT11EE	06
KD-BT11EU	05
KD-BT11EX	03
KD-BT11EY	04
KD-BT11J	01
KD-BT11U	07
KD-BT11UT	08
KD-BT12E	0A
KD-BT12EX	0B
KD-BT19UR	09

General assembly [M1]

⚠	Symbol		or	Part No.		Part Name	Description	Qty	Models
				<Rev.002>	<Rev.003>				
	M1	24		----------	GE32864-011A	F.PANEL HI ASSY	(Addition)	1	0A,0B
	M1	25		----------	GE33246-018A	FINDER ASSY	(Addition)	1	0A,0B
	M1	26		----------	GE32812-018A	TEL BUTTON	(Addition)	1	0A,0B
	M1	30		----------	GE32817-001A	DETACH BTN	(Addition)	1	0A,0B
	M1	47		----------	GE33582-001A	NAME PLATE	(Addition)	1	0A,0B

Electrical parts list Main board [01]

⚠	Symbol		or	Part No.		Part Name	Description	Qty	Models
				<Rev.002>	<Rev.003>				
⚠	01	IC701		----------	UPD78F1167GC1AF	IC(PROGRAMED)	(Addition)	1	0A,0B

Packing and accessories [M3]

⚠	Symbol		or	Part No.		Part Name	Description	Qty	Models
				<Rev.002>	<Rev.003>				
	M3	A1		----------	GET0508-002B	INST BOOK	(Addition)	1	0A
	M3	A1		----------	GET0508-004B	INST BOOK	(Addition)	1	0B
	M3	A2		----------	GET0508-009B	INST.MANUAL	(Addition)	1	0A
	M3	A2		----------	GET0508-011B	INST.MANUAL	(Addition)	1	0B
	M3	A3		----------	GET0508-008B	INST.MANUAL	(Addition)	1	0A
	M3	A3		----------	GET0508-010B	INST.MANUAL	(Addition)	1	0B
	M3	A4		----------	----------	WARRANTY CARD	(Addition)	1	0A,0B
	M3	A19		----------	GET0508-001B	INST BOOK	(Addition)	1	0A
	M3	A19		----------	GET0508-003B	INST BOOK	(Addition)	1	0B
	M3	A20		----------	GET0551-005A	EC DOC SHEET	(Addition)	1	0A,0B
	M3	P1		----------	GE33583-001A	CARTON	(Addition)	1	0A,0B

Victor Company of Japan, Limited
Mobile Entertainment Division 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(MA387-R003)

Printed in Japan
VPT

PARTS LIST

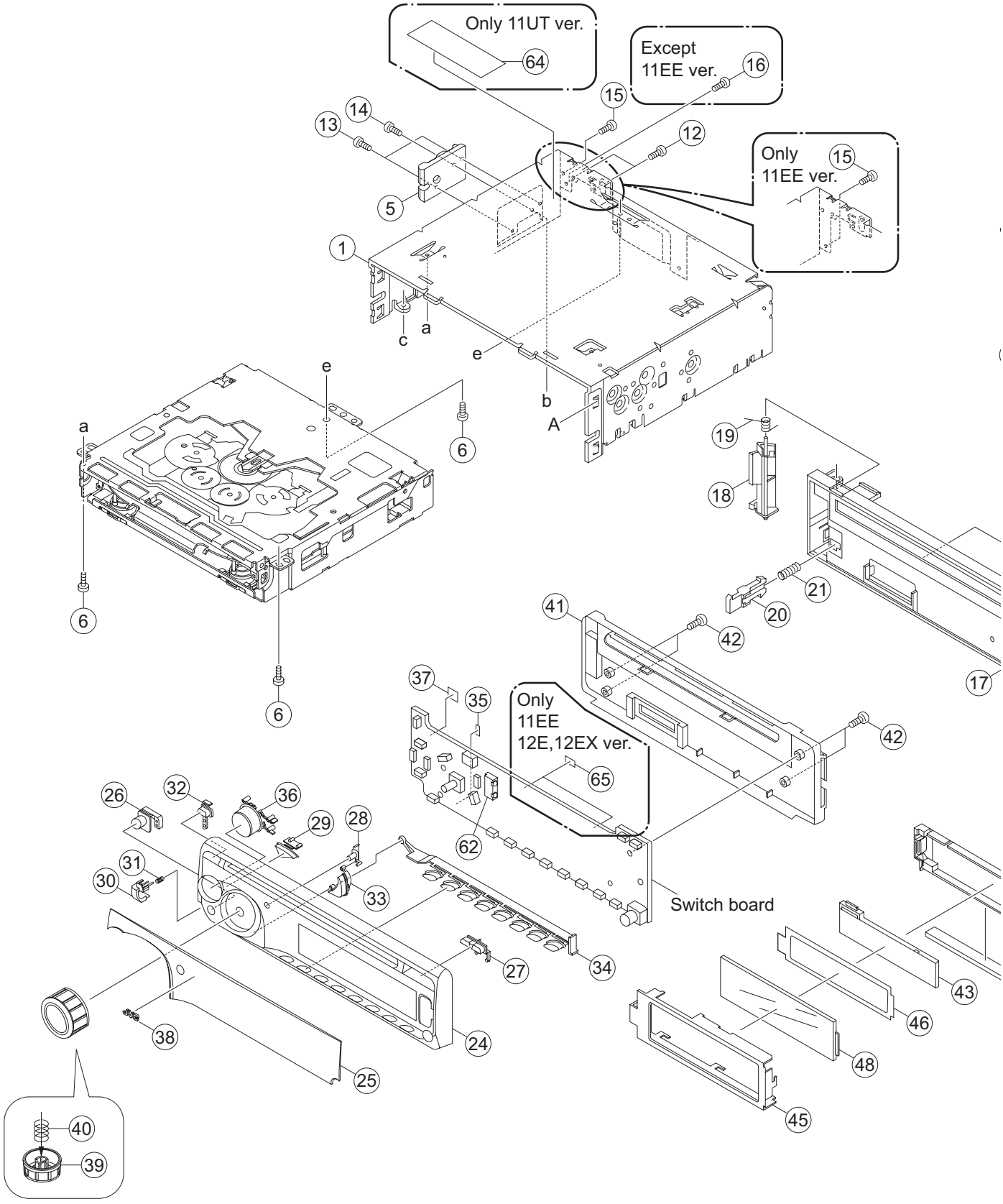
KD-BT11J,KD-BT11E,KD-BT11EX
KD-BT11EY,KD-BT11EU,KD-BT11EE
KD-BT11U,KD-BT11UT,KD-BT19UR
KD-BT12E,KD-BT12EX

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

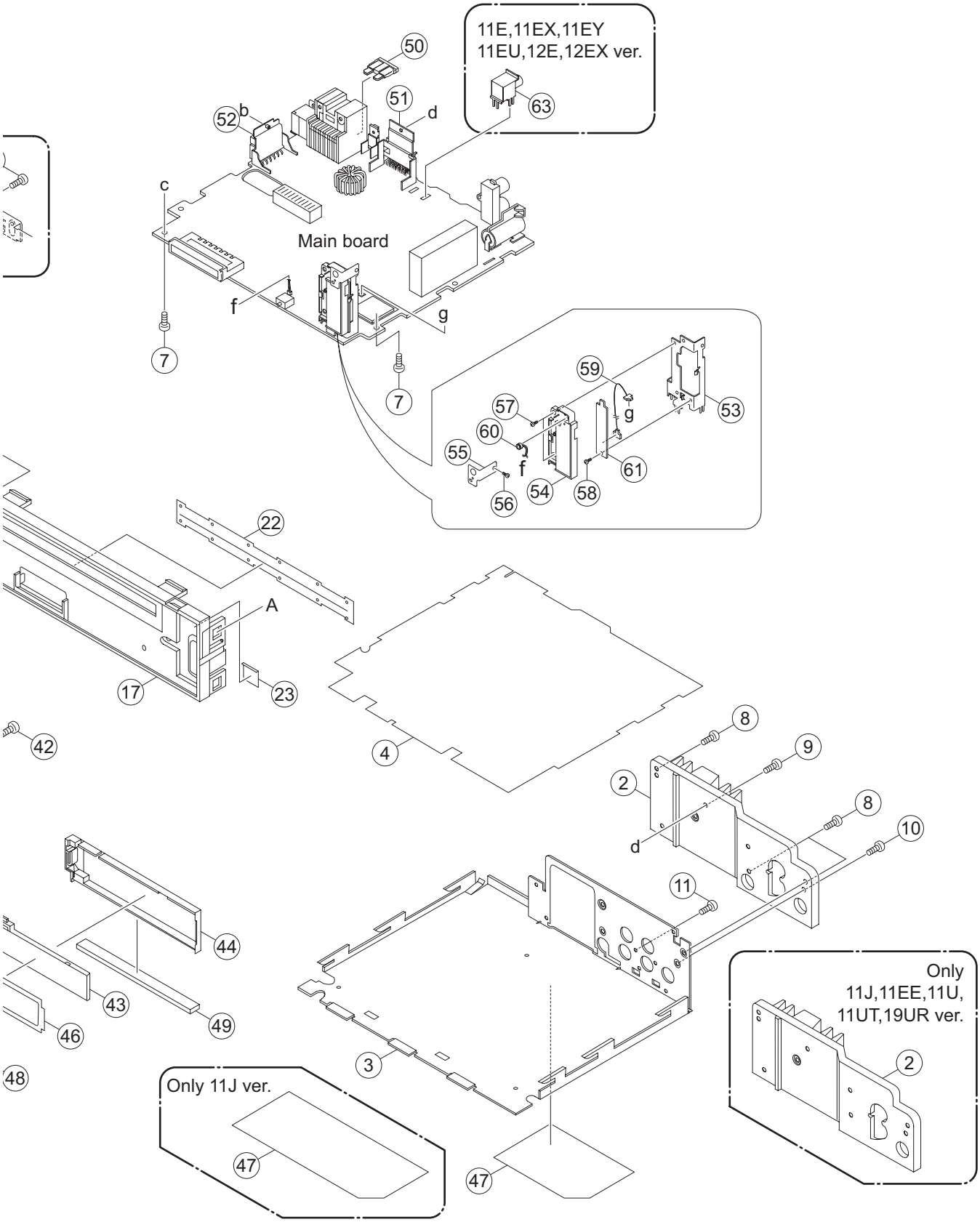
- Contents -

Exploded view of general assembly and parts list

Block No. M 1 M M



1 M



The parts without symbol number are not service.

General Assembly

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

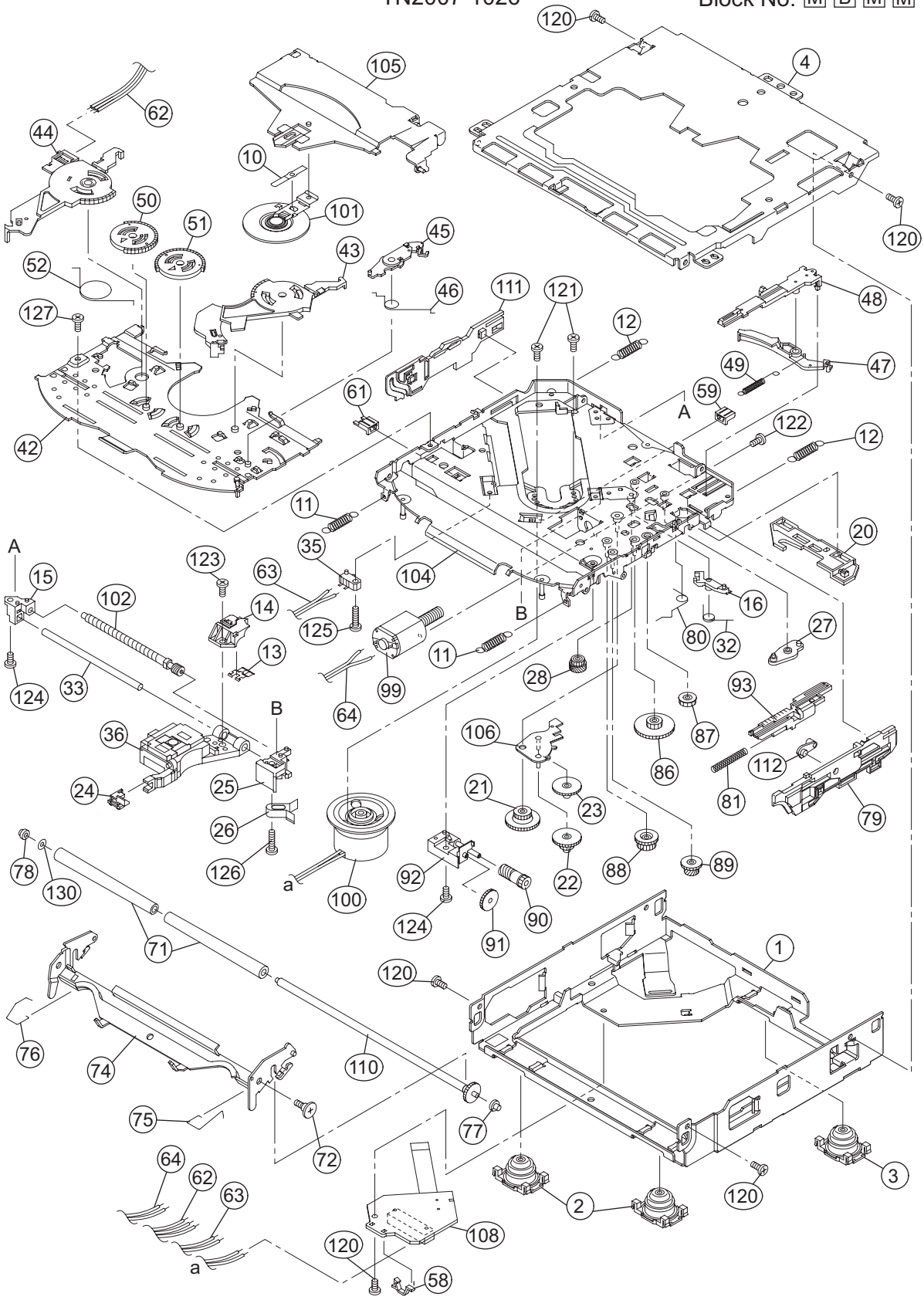
⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GE10216-003A	TOP CHASSIS		11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
	1	GE10216-006A	TOP CHASSIS		11EE
	2	GE32823-002A	HEAT SINK		11J,11EE,11U,11UT,19UR
	2	GE32823-001A	HEAT SINK		11E,11EX,11EY,11EU,12E,12EX
	3	GE20228-001A	BOTTOM COVER		
	4	GE32830-002A	INSULATOR		
	5	GE40395-001A	SIDE PANEL		
	6	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm(x3)	
	7	GE40377-002A	SCREW	(x2)	
	8	GE40377-001A	SCREW	(x3)	
	9	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	
	10	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	
	11	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm	
	12	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
	13	GE40377-002A	SCREW	(x2)	
	14	QYSDST2608ZA	TAP SCREW	M2.6 x 8mm	
	15	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
	16	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
	17	GE10215-001A	FRONT CHASSIS		
	18	GE32350-002A	LOCK LEVER		
	19	GE40368-002A	TORSION SPRING		
	20	GE32810-001A	RELEASE LEVER		
	21	GE30999-004A	COMP.SPRING		
	22	GE40400-001A	BLIND		
	23	GE40417-001A	DUST FILTER		
	24	GE32864-013A	F.PANEL HI ASSY		11J
	24	GE32864-014A	F.PANEL HI ASSY		11E,11EX,11EY,11EU
	24	GE32864-015A	F.PANEL HI ASSY		11EE
	24	GE32864-008A	F.PANEL HI ASSY		11U,11UT
	24	GE32864-012A	F.PANEL HI ASSY		19UR
	24	GE32864-011A	F.PANEL HI ASSY		12E,12EX
	25	GE32866-008A	FINDER ASSY		11J
	25	GE32866-009A	FINDER ASSY		11E,11EX,11EY,11EU
	25	GE32866-016A	FINDER ASSY		11EE
	25	GE32866-010A	FINDER ASSY		11U,11UT
	25	GE32866-021A	FINDER ASSY		19UR
	25	GE33246-018A	FINDER ASSY		12E,12EX
	26	GE32812-009A	TEL BUTTON		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,19UR
	26	GE32812-018A	TEL BUTTON		12E,12EX
	27	GE32814-001A	BAND EQ BTN		
	28	GE32815-001A	PUSH BTN		
	29	GE32816-001A	POWER BTN		11J,19UR
	29	GE32816-002A	POWER BTN		11E,11EX,11EY,11EU,11U,11UT,12E,12EX
	29	GE32816-003A	POWER BTN		11EE
	30	GE32817-008A	DETACH BTN		11J
	30	GE32817-009A	DETACH BTN		11E,11EX,11EY,11EU
	30	GE32817-007A	DETACH BTN		11EE
	30	GE32817-005A	DETACH BTN		11U,11UT
	30	GE32817-006A	DETACH BTN		19UR
	30	GE32817-001A	DETACH BTN		12E,12EX
	31	GE30999-006A	COMP.SPRING		
	32	GE32818-001A	EJECT BTN		
	33	GE32824-001A	SRC BTN		11J,19UR
	33	GE32824-002A	SRC BTN		11E,11EX,11EY,11EU,11U,11UT,12E,12EX
	33	GE32824-003A	SRC BTN		11EE
	34	GE20227-001A	PRESET BTN		11J,11E,11EX,11EY,11EU,11U,11UT,19UR
	34	GE20233-001A	PRESET BTN		11EE,12E,12EX
	35	GE40218-083A	SHEET		
	36	GE40399-001A	NAVI BTN ASSY		11J,19UR
	36	GE40399-002A	NAVI BTN ASSY		11E,11EX,11EY,11EU,11U,11UT,12E,12EX
	36	GE40399-004A	NAVI BTN ASSY		11EE
	37	FSYH4036-069	SHEET		
	38	GE40347-001A	JVC BADGE		
	39	GE40398-001A	VOL KNOB ASSY		11J,19UR
	39	GE40398-002A	VOL KNOB ASSY		11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	40	GE40127-005A	KNOB SPRING		
	41	GE10214-001A	REAR COVER		
	42	VKZ4777-010	MINI SCREW	(x4)	
	43	GE32819-001A	LCD LENS		
	44	GE32820-001A	LENS CASE		
	45	GE32821-001A	LCD CASE		
	46	GE40397-002A	LIGHTING SHEET		
	47	GE32987-005A	NAME PLATE		11J
	47	GE32996-002A	NAME PLATE		11E,11EX,11EY,11EU

⚠	Symbol No.	Part No.	Part Name	Description	Local
	47	GE32999-002A	NAME PLATE		11EE
	47	GE32990-001A	NAME PLATE		11U,11UT
	47	GE33582-001A	NAME PLATE		12E,12EX
	48	QLD0518-001	LCD MODULE		
	49	QNZ0950-001	RUBBER CONNECTO		
⚠	50	QMFZ063-150-J1	FUSE	15A	
	51	GE40354-001A	IC BRACKET		
	52	GE40396-002A	REG BRACKET		
	53	GE33092-001A	BT TUNER BKT		
	54	GE33093-001A	MIC HOLDERT		
	55	GE40418-001A	STATIC SHIELDER		
	56	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	57	QYSDST2004ZA	TAP SCREW	M2 x 4mm(x2)	
	58	LV44615-002A	SCREW		
	59	QAM1059-001	COAXIAL CABLE		
	60	QAN0090-001	MICROPHONE		
	61	LVA10808-01AD	BT ANT		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	62	GE30854-001A	LED HOLDER		
	63	GE40424-001A	OE HOLDING BKT		11E,11EX,11EY,11EU,12E,12EX
	64	GE31574-083A	UT LABEL		11UT
	65	FSYH4036-069	SHEET	(x2)	11EE,12E,12EX

CD mechanism assembly and parts list

TN2007-1026

Block No. M B M M



The parts without symbol number are not service.

CD mechanism

Block No. [M][B][M][M]

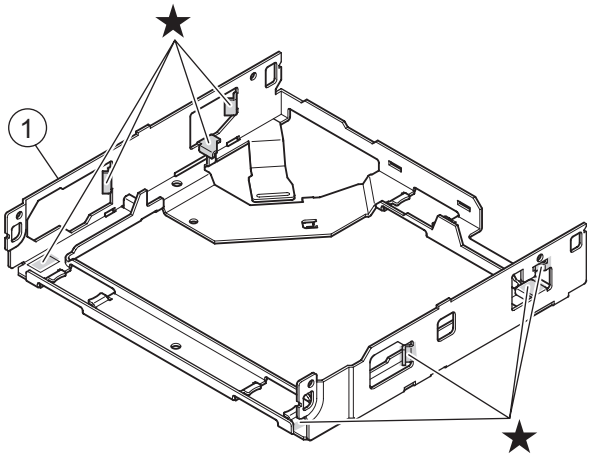
⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	30350101T	FRAME		
	2	30350103T	DAMPER F	(x2)	
	3	30350104T	DAMPER R		
	4	30350107T	TOP COVER		
	10	30320513T	CLAMPER SUB SPG		
	11	30350505T	FRONT SUS SPG	(x2)	
	12	30350506T	REAR SUS SPRING	(x2)	
	13	30350508T	FEED NUT SPP		
	14	30350509T	FEED SCREW HLDR		
	15	30350525T	PU SHAFT HLDR B		
	16	30350528T	LOCK LEVER		
	20	30350529T	LOCK PLATE		
	21	30350581T	CHANGE GEAR2		
	22	30350582T	CHANGE GEAR 3A		
	23	30350583T	CHANGE GEAR 3B		
	24	30350535T	FEED SUB HOLDER		
	25	30350536T	PU SHAFT HLDR A		
	26	30350539T	FD THRUST SPP		
	27	30350542T	CHANGE ARM		
	28	30350580T	FEED GEAR 1		
	32	30350554T	LOCK LEVER SP		
	33	30350555T	PU SHAFT		
	35	64010418T	PUSH SW P389-01		
	36	69011629T	PICK UP	OPTIMA-727AD	
	42	30350801T	TOP PLATE		
	43	30350802T	SELECT ARM R		
	44	30350803T	MODE SWICH		
	45	30350806T	SELECT LOCK ARM		
	46	30350807T	SPRING		
	47	30350808T	TRIGGER ARM		
	48	30350809T	TRG ARM BASE		
	49	30350810T	TRIGGER ARM SPR		
	50	30350811T	LINK GEAR L		
	51	30350812T	LINK GEAR R		
	52	30350813T	LINK GEAR SPR		
	58	19501403T	WIRE CLUMPER		
	59	30321013T	WIRE CLAMPER		
	61	30351001T	WIRE CLAMPER		
	62	30351008T	MODE SW WIRE		
	63	30351003T	REST SW WIRE		
	64	30351004T	LD WIRE		
	71	30321137T	LDG ROLLER	(x2)	
	72	30321143T	COLLAR SCREW		
	74	30351101T	LOCK ARM		
	75	30351102T	LD ROLLER SPR R		
	76	30351103T	LD ROLLER SPR L		
	77	30351105T	ROLLER GUIDE R		
	78	30351106T	ROLLER GUIDE L		
	79	30351116T	CAM PLATE R (N)		
	80	30351111T	TR CONTROL SPR		
	81	30351113T	SPRING		
	86	30351122T	LOADING GEAR 1		
	87	30351123T	LOADING GEAR 2		
	88	30351128T	LOADING GEAR 3		
	89	30351129T	LOADING GEAR 4		
	90	30351140T	LOADING GEAR 5		
	91	30351131T	LOADING GEAR 6		
	92	30351133T	LD GEAR BRACKET		
	93	30351135T	PLATE		
	99	303505309T	MORTER ASSY		
	100	303505302T	SPINDLE MOTOR		
	101	303505303T	CLAMPER ASSY		
	102	303505304T	FEED SCREW ASSY		
	104	303505501T	CHASSIS RIVET		
	105	303505502T	CLAMPER ARM RVT		
	106	303505503T	RIVET ASSY		
	108	303510304T	BASE BOARD ASSY		
	110	303511301T	ROLLER SHAFT		
	111	303511302T	CAM PLATE L		
	112	303511501T	SLIDE HOOK RVT		
	120	9P0420037T	SCREW	(x5)	
	121	9C0117187T	SCREW	(x2)	
	122	9C0120207T	SCREW		
	123	9C4517506T	SCREW		

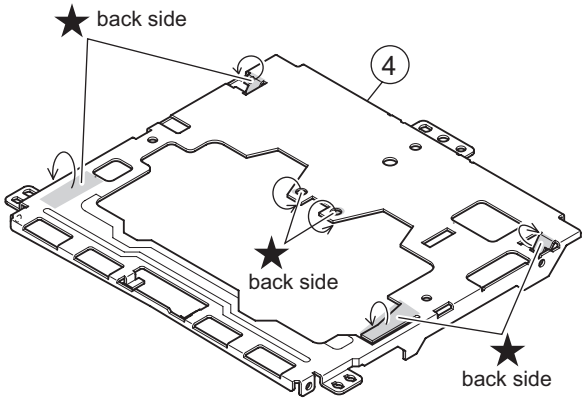
⚠	Symbol No.	Part No.	Part Name	Description	Local
	124	9P0420047T	SCREW	(x2)	
	125	9P0420067T	SCREW		
	126	9P0420087T	SCREW		
	127	9C0420257T	SCREW		
	130	9W0513060T	HL WASHER		

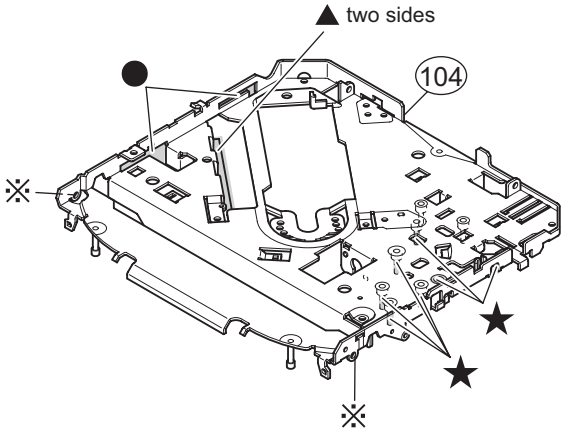
Grease point 1/2

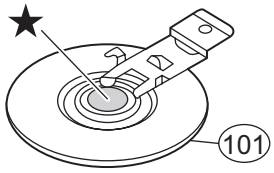
grease

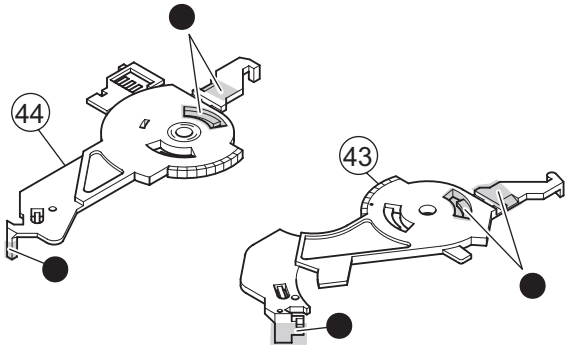
★ TNG-87
● TN-4456
▲ TNS-925R
※ GP-501MK

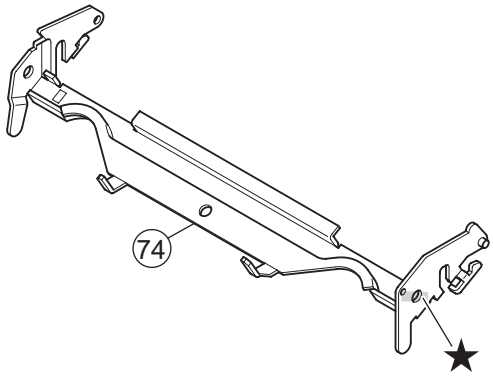








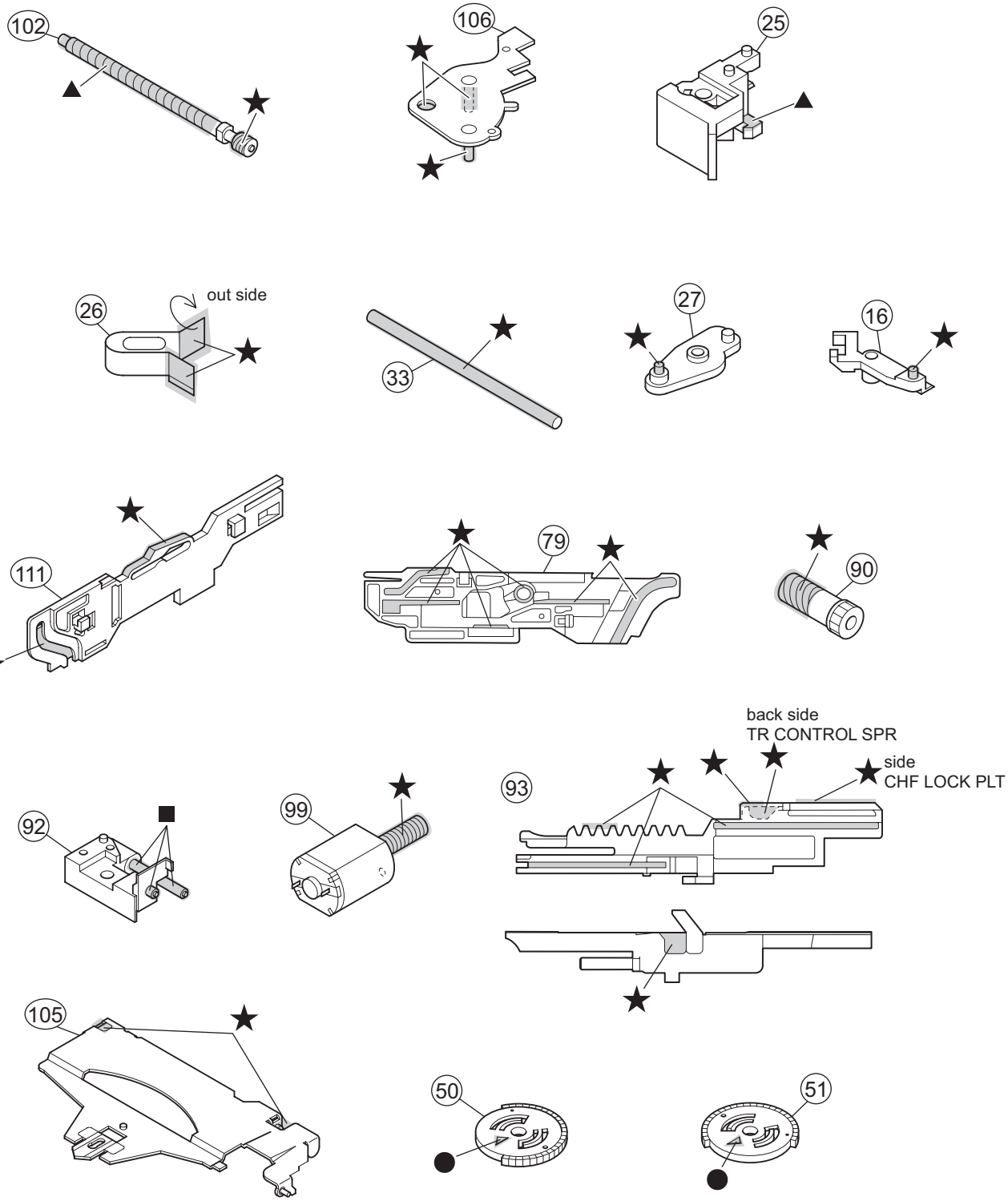




Grease point 2/2

grease

- ★ TNG-87
- ● TN-4456
- ▲ TNS-925R
- ■ G-322



Electrical parts list

Main board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC71	LC72725KM-X	IC		11E,11EX,11EY,11EU,11EE,12E,12EX
IC161	TDA7719-X	IC		
⚠ IC201	NAU0004-001	RF MODULE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT
⚠ IC201	NAU0004-003	RF MODULE		19UR,12E,12EX
IC202	NJM4565V-X	IC		
IC203	NJM4565V-X	IC		
IC205	BD33KA5FP-X	REGULATOR IC		
⚠ IC301	TB2926AHQ	IC		
⚠ IC501	LA6242H-X	IC		
IC541	TC94A70FG-005A	IC		
IC571	NJM2878F4-15-X	IC		
IC581	NJM4580M-X	IC		
⚠ IC701	UPD78F1167GC1R	IC(PROGRAMED)		11J,11U,11UT
⚠ IC701	UPD78F1167GC1S	IC(PROGRAMED)		11E,11EX,11EY,11EU,11EE
⚠ IC701	UPD78F1167GC1AF	IC(PROGRAMED)		12E,12EX
IC771	S-24CS16A0I-G-X	IC		11E,11EX,11EY,11EU,11EE,12E,12EX
IC801	TC7WT241FU-X	IC		11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
IC802	TC7WT241FU-X	IC		11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
⚠ IC901	AN34001A	REGULATOR IC		
Q1	RT1N141C-X	DIGI TRANSISTOR		
Q1 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q252	RT1P141C-X	DIGI TRANSISTOR		
Q252 or	UN2111-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q322	IMX9-W	PAIR TRANSISTOR		
Q502	2SA1705/ST/-T	TRANSISTOR		
Q571	2SA1708/ST/-T	TRANSISTOR		
Q581	2SA1365/F/-X	TRANSISTOR		
Q582	RT1N141C-X	DIGI TRANSISTOR		
Q582 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q711	RT1P141C-X	DIGI TRANSISTOR		
Q711 or	UN2111-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q712	RT1N141C-X	DIGI TRANSISTOR		
Q712 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q781	RT1P141C-X	DIGI TRANSISTOR		
Q781 or	UN2111-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q782	DTC143TKA-X	DIGI TRANSISTOR		
Q784	RT1P141C-X	DIGI TRANSISTOR		
Q784 or	UN2111-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q881	RT1N141C-X	DIGI TRANSISTOR		
Q881 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q902	RT1N141C-X	DIGI TRANSISTOR		
Q902 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q933	2SA1365/F/-X	TRANSISTOR		
Q934	RT1N141C-X	DIGI TRANSISTOR		
Q934 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q976	RT1N141C-X	DIGI TRANSISTOR		
Q976 or	UN2211-X	TRANSISTOR		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
Q977	ISA1530AC1/R/-X	TRANSISTOR		
Q977 or	2SB709A/R/-X	TRANSISTOR		11J,11U
Q977 or	2SB709A/QR/-X	TRANSISTOR		11E,11EX,11EY,11EU,11EE,11UT,12E,12EX
D1	1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D1 or	MA111-X	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D1	MA111-X	SI DIODE		19UR
D2	1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D2 or	MA111-X	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D2	MA111-X	SI DIODE		19UR
D201	UDZW5.6B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D201 or	MA8056/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D201	MA8056/M/-X	Z DIODE		19UR
D202	UDZW5.6B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D202 or	MA8056/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D202	MA8056/M/-X	Z DIODE		19UR
D203	UDZW5.6B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D203 or	MA8056/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D203	MA8056/M/-X	Z DIODE		19UR
D204	UDZW5.6B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D204 or	MA8056/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D204	MA8056/M/-X	Z DIODE		19UR

⚠ Symbol No.		Part No.	Part Name	Description	Local
D301		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D301	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D301		MA8062/M/-X	Z DIODE		19UR
D302		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D302	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D302		MA8062/M/-X	Z DIODE		19UR
D303		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D303	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D303		MA8062/M/-X	Z DIODE		19UR
D304		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D304	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D304		MA8062/M/-X	Z DIODE		19UR
D341		1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D341	or	MA111-X	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D341		MA111-X	SI DIODE		19UR
D351		1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D351	or	MA111-X	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D351		MA111-X	SI DIODE		19UR
D501		1A3G-T1	SI DIODE		
D712		UDZW6.2B-X	Z DIODE		11E,11EX,11EY,11EU,12E,12EX
D712	or	MA8062/M/-X	Z DIODE		11E,11EX,11EY,11EU,12E,12EX
D714		UDZW5.6B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D714	or	MA8056/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D714		MA8056/M/-X	Z DIODE		19UR
D720		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D720	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D720		MA8062/M/-X	Z DIODE		19UR
D721		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D721	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D721		MA8062/M/-X	Z DIODE		19UR
D722		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D722	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D722		MA8062/M/-X	Z DIODE		19UR
D723		UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D723	or	MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D723		MA8062/M/-X	Z DIODE		19UR
D782		1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D782	or	MA111-X	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D782		MA111-X	SI DIODE		19UR
D783		MC2836-X	DIODE		
D783	or	MA152WA-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D784		UDZW11B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D784	or	MA8110/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D784		MA8110/M/-X	Z DIODE		19UR
D851		MA22D23-X	SB DIODE		11U,11UT
D851	or	CRS03-W	SB DIODE		11U,11UT
D851	or	RB160M-30-X	SB DIODE		11U,11UT
D852		MA22D39-X	SB DIODE		11U,11UT
⚠ D901		1N5401-F64	SI DIODE		
⚠ D901	or	1N5401-TU-15	SI DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D903		GS1J-X	DIODE		11E,11EX,11EY,11EU,12E,12EX
D971		MA22D23-X	SB DIODE		
D971	or	CRS03-W	SB DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D971	or	RB160M-30-X	SB DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D972		MA22D39-X	SB DIODE		
C3		NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4		NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5		NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6		NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7		NCBA0JK-224W	C CAPACITOR	0.22uF 6.3V K	
C21		QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C22		QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C71		NDCA1HJ-561W	C CAPACITOR	560pF 50V J	11E,11EX,11EY,11EU,11EE,12E,12EX
C72		NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	11E,11EX,11EY,11EU,11EE,12E,12EX

⚠ Symbol No.	Part No.	Part Name	Description	Local
C73	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	11E,11EX,11EY,11EU,11EE,12E,12EX
C74	NDCA1HJ-330W	C CAPACITOR	33pF 50V J	11E,11EX,11EY,11EU,11EE,12E,12EX
C75	NDCA1HJ-330W	C CAPACITOR	33pF 50V J	11E,11EX,11EY,11EU,11EE,12E,12EX
C76	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	11E,11EX,11EY,11EU,11EE,12E,12EX
C77	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	11E,11EX,11EY,11EU,11EE,12E,12EX
C78	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	11E,11EX,11EY,11EU,11EE,12E,12EX
C81	QTE1H57-105Z	E CAPACITOR	1uF 50V	
C91	QTE1H57-105Z	E CAPACITOR	1uF 50V	
C160	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C161	QTE1H57-105Z	E CAPACITOR	1uF 50V	
C162	QTE1H64-225Z	E CAPACITOR	2.2uF 50V	
C163	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C165	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C166	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C167	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C168	QTE1A57-107Z	E CAPACITOR	100uF 10V	
C169	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C170	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C171	QTE1H57-105Z	E CAPACITOR	1uF 50V	
C172	QTE1H64-225Z	E CAPACITOR	2.2uF 50V	
C173	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C176	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C177	QTE1C57-106Z	E CAPACITOR	10uF 16V	
C201	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C202	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C203	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C204	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C205	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C206	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C207	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C208	NDCA1HJ-391W	C CAPACITOR	390pF 50V J	
C212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C213	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C215	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C216	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C217	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C218	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C219	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C220	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C230	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C231	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C240	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C241	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C243	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C251	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C252	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C253	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C254	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C255	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C256	NDCA1HJ-391W	C CAPACITOR	390pF 50V J	
C260	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C301	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C302	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C303	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C304	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C307	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C311	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C312	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C313	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C314	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C315	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C317	QTE1C57-476Z	E CAPACITOR	47uF 16V	
C318	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C319	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C320	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C321	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C326	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C385	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C386	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C501	NBE41AM-476X	TA E CAPACITOR	47uF 10V M	
C502	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C503	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C504	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C505	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C512	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C513	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C514	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C515	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C516	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C517	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C518	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C519	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C521	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C522	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C523	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C524	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C525	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C526	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C527	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C528	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C529	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C531	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C532	NCBA1HK-271W	C CAPACITOR	270pF 50V K	
C533	NCBA1HK-271W	C CAPACITOR	270pF 50V K	
C534	NCBA1AK-273W	C CAPACITOR	0.027uF 10V K	
C535	NCBA1CK-183W	C CAPACITOR	0.018uF 16V K	
C536	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C537	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C538	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C541	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C542	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C543	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C544	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C545	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C546	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C547	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C548	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C549	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C550	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C551	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C552	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C554	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C555	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C556	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C557	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C558	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C559	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C560	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C561	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C562	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C563	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C564	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C565	NCBA1CK-153W	C CAPACITOR	0.015uF 16V K	
C566	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C567	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C568	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C569	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C570	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C571	NCBA1CK-153W	C CAPACITOR	0.015uF 16V K	
C572	NDCA1HJ-470W	C CAPACITOR	47pF 50V J	
C573	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C574	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C575	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C576	NCBA1EK-562W	C CAPACITOR	5600pF 25V K	
C578	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C580	QTE1E57-475Z	E CAPACITOR	4.7uF 25V	
C582	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C583	QTE0J57-476Z	E CAPACITOR	47uF 6.3V	
C584	NCBA1HK-821W	C CAPACITOR	820pF 50V K	
C590	QTE1E57-475Z	E CAPACITOR	4.7uF 25V	
C592	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C593	QTE0J57-476Z	E CAPACITOR	47uF 6.3V	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C594	NCBA1HK-821W	C CAPACITOR	820pF 50V K	
C596	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C597	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C701	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C702	NDCA1HJ-270W	C CAPACITOR	27pF 50V J	
C705	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C706	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C707	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C708	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C709	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C711	QERF0JM-337Z	E CAPACITOR	330uF 6.3V M	
C712	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C713	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C714	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C715	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C716	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C717	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C718	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	11E,11EX,11EY,11EU,12E,12EX
C722	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C732	NCBA0JK-474W	C CAPACITOR	0.47uF 6.3V K	11J,11E,11EX,11EY,11EU,11EE,11U,11UT
C732	NCJA0JK-474W-R	C CAPACITOR	0.47uF 6.3V K	19UR,12E,12EX
C771	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	11E,11EX,11EY,11EU,11EE,12E,12EX
C784	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C801	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
C851	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	11U,11UT
C852	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	11U,11UT
C881	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C901	QEZ0870-278	E CAPACITOR	2700uF	
C902	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C903	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C904	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C905	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C906	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C907	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C910	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C911	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C912	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C913	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C914	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C915	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C918	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C920	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C961	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C962	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C963	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C964	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C965	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C966	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C967	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C968	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
R3	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R5	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R7	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R9	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R10	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R11	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R12	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R13	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R14	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R15	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R16	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R21	NRS181J-120X	MG RESISTOR	12Ω 1/8W J	
R22	NRS181J-120X	MG RESISTOR	12Ω 1/8W J	
R72	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R73	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R74	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R81	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	11J,19UR
R81	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
R82	NRSA6AJ-512W	MG RESISTOR	5.1kΩ 1/16W J	
R91	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	11J,19UR
R91	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
R92	NRSA6AJ-512W	MG RESISTOR	5.1kΩ 1/16W J	
R175	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R176	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R177	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J	
R201	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R202	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R204	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R205	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R208	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R212	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R213	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R214	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R215	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R218	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R219	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R220	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R221	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R222	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R225	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R226	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R227	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R228	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R229	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R230	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R231	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R232	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R239	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R240	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R241	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R242	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R243	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R247	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R305	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R333	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R341	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R351	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R352	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R353	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R373	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R374	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R383	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R387	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R502	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R503	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R504	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R505	NRSA6AJ-512W	MG RESISTOR	5.1kΩ 1/16W J	
R511	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R512	NRSA6AJ-752W	MG RESISTOR	7.5kΩ 1/16W J	
R513	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R514	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R515	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R518	NRSA6AJ-302W	MG RESISTOR	3kΩ 1/16W J	
R519	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R520	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R521	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R523	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R524	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R525	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R526	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R527	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R528	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R531	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R532	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R541	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R542	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R543	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R544	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R545	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R546	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R547	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R548	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R549	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R550	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R551	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R552	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R553	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R554	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R555	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R556	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R557	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R560	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R561	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R562	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R563	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R564	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R565	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R566	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R567	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R568	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R577	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R578	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R580	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
R581	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R582	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R583	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R585	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R586	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R587	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R589	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R590	NRSA6AJ-750W	MG RESISTOR	75Ω 1/16W J	
R591	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R592	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R593	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R595	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R596	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R597	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R598	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R599	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R701	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R704	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R705	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R706	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	11E,11EX,11EY,11EU,11U,11UT,12E,12EX
R707	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	11J,11EE,19UR
R712	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R713	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R715	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R716	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R717	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R719	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R720	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R722	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R724	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R728	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R732	NRSA6AJ-432W	MG RESISTOR	4.3kΩ 1/16W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R734	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R735	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R736	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R737	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R738	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R739	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R740	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R741	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R742	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R743	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R744	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R745	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R746	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R748	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R749	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R750	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R751	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R752	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R753	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R754	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R755	NRSA6AJ-106W	MG RESISTOR	10MΩ 1/16W J	
R756	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R758	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R759	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R761	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R764	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R766	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	11E,11EX,11EY,11EU,12E,12EX
R767	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	11E,11EX,11EY,11EU,12E,12EX
R771	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R772	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	11E,11EX,11EY,11EU,11EE,12E,12EX
R776	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R777	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R778	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R779	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R781	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R783	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R784	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R785	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R786	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R787	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R790	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R791	NQR0007-002X	FERRITE BEADS		
R792	NQR0007-002X	FERRITE BEADS		
R793	NQR0007-002X	FERRITE BEADS		
R797	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R798	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R799	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R801	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R802	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R803	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R804	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R805	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX

⚠ Symbol No.	Part No.	Part Name	Description	Local
R806	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R807	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R808	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R809	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R810	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R811	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R812	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R813	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R814	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
R851	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	11U,11UT
R881	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R882	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R898	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R899	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	
R902	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R903	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R905	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R907	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R931	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R932	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R971	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R972	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R976	NRSA02J-273X	MG RESISTOR	27kΩ 1/10W J	
R977	NRSA02J-123X	MG RESISTOR	12kΩ 1/10W J	
R5002	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R5003	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R5015	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
L1	NQL10A3-4N7X	COIL	4.7nH 3	19UR
L2	NQL553J-27NX	COIL	27nH J	
L3	NQL553J-27NX	COIL	27nH J	
L11	QQL244J-4R7Z	P COIL	4.7uH J	
L201	NQL79GM-470X	COIL	47uH M	
L531	NQL79GM-470X	COIL	47uH M	
L532	NQL79GM-470X	COIL	47uH M	
L571	NQL79GM-470X	COIL	47uH M	
L572	NQL79GM-470X	COIL	47uH M	
L701	NQL79GM-4R7X	COIL	4.7uH M	
L702	NQL79GM-4R7X	COIL	4.7uH M	
L901	QQR1809-001	CHOKE COIL		
CN1	NNZ0196-001X	COAXIAL JACK		19UR
CN201	QGA1002C1-02X	CONNECTOR	W-B (1-2)	
CN501	QGB2027MD-22	CONNECTOR	B-B (1-22)	
CN701	QGZ1601J1-15	CONNECTOR	(1-15)	
CN702	QNS0283-001	STEERING REMOTE		11E,11EX,11EY,11EU,12E,12EX
CN901	QNZ0611-001	16P CONNECTOR		
J1	QNB0190-001	ANTENNA JACK		
J321	QNN0802-001	PIN JACK		
J801	QNZ0095-001	CONNECTOR		11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
PP1	QZW0010-001	STYLE PIN		
S703	QSW0648-001Z	TACT SWITCH		
⚠ TU1	QAU0484-001	TUNER PACK		11J,11E,11EX,11EY,11EU,11U,11UT,19UR,12E,12EX
⚠ TU1	QAU0485-001	TUNER PACK		11EE
X71	QAX0926-001Z	CRYSTAL		11E,11EX,11EY,11EU,11EE,12E,12EX
X561	QAX0933-001Z	C RESONATOR		
X701	QAX0916-001Z	CRYSTAL		
X702	QAX0401-001	CRYSTAL	32.768KHz	

Switch board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC661	PTC6526LQ-L	IC		
IC681	NJL21H380A	REMOCON RCV		
D630	LHQ974/LM/-X	LED		
D631	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D631	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D632	NECBB205/WPQR/X	LED		
D633	NECBB205/WPQR/X	LED		
D634	NECBB205/WPQR/X	LED		
D635	NECBB205/WPQR/X	LED		
D636	NECBB205/WPQR/X	LED		
D637	LHQ974/LM/-X	LED		11J,19UR
D637	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D637	NECBB205/WPQR/X	LED		11U,11UT
D638	LHQ974/LM/-X	LED		11J,19UR
D638	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D638	NECBB205/WPQR/X	LED		11U,11UT
D639	LHQ974/LM/-X	LED		11J,19UR
D639	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D639	NECBB205/WPQR/X	LED		11U,11UT
D640	LHQ974/LM/-X	LED		11J,19UR
D640	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D640	NECBB205/WPQR/X	LED		11U,11UT
D641	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D641	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D642	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D642	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D643	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D643	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D644	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D644	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D645	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D645	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D646	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D646	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D647	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D647	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D648	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D648	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D649	LHQ974/LM/-X	LED		11J,11U,11UT,19UR

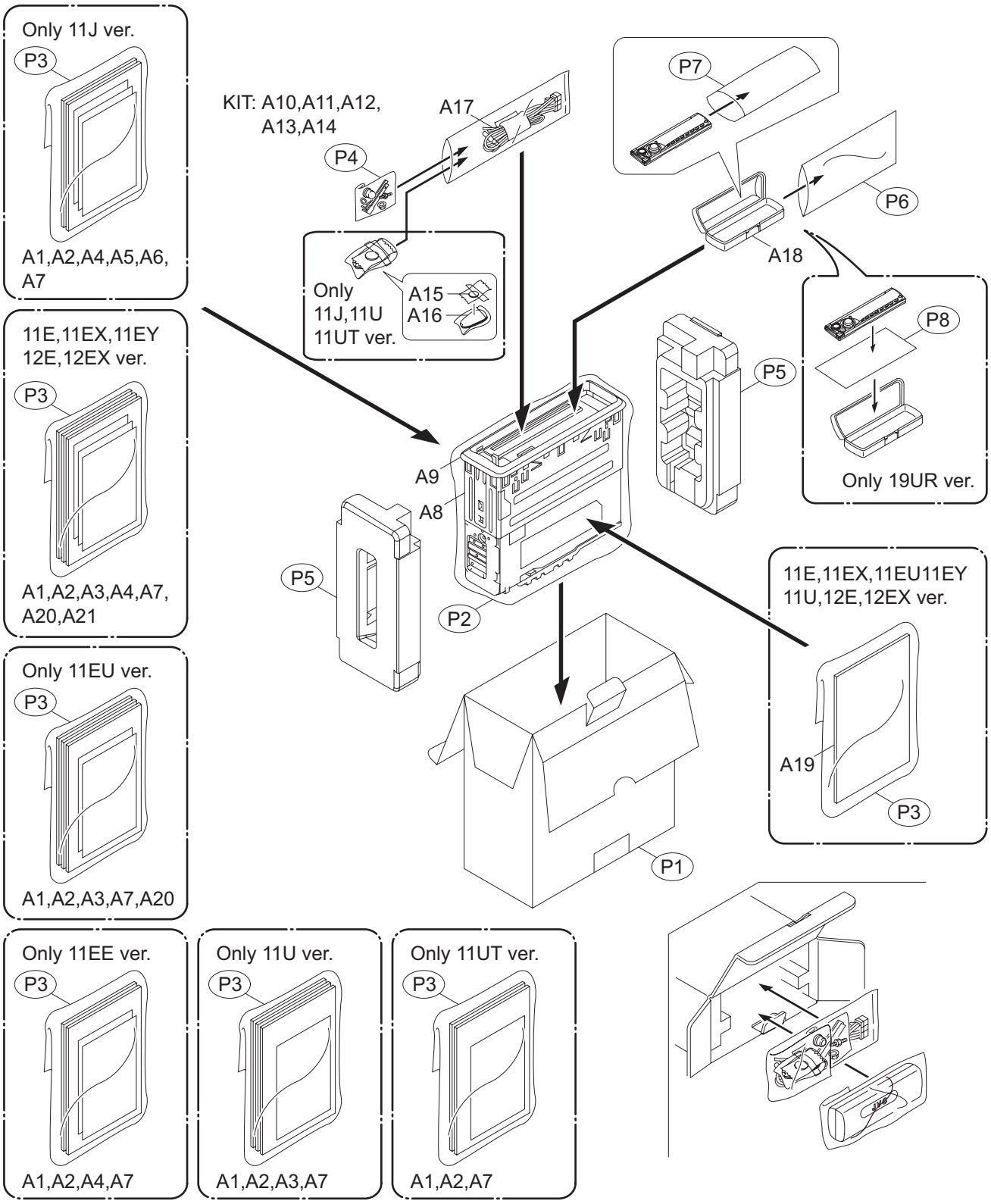
⚠ Symbol No.	Part No.	Part Name	Description	Local
D649	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D650	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D650	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D651	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D651	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D652	LHQ974/LM/-X	LED		11J,11U,11UT,19UR
D652	LSQ971/KL/-X	LED		11E,11EX,11EY,11EU,11EE,12E,12EX
D653	NSPW310CS/BTUV/	WHITE LED		
D654	NSPW310CS/BTUV/	WHITE LED		
D661	MA111-X	SI DIODE		
D661	or 1SS355W-X	DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D662	MA8051/M/-X	Z DIODE		
D662	or UDZW5.1B-X	SB DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D663	UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D663	or MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D663	MA8062/M/-X	Z DIODE		19UR
D664	UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D664	or MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D664	MA8062/M/-X	Z DIODE		19UR
D665	UDZW6.2B-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D665	or MA8062/M/-X	Z DIODE		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
D665	MA8062/M/-X	Z DIODE		19UR
C661	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C662	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C663	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C666	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C810	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C811	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
R600	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R601	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R602	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R603	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R606	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R607	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R608	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R609	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R610	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R611	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R612	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R613	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R614	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R615	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R616	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R630	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R631	NRS181J-621X	MG RESISTOR	620Ω 1/8W J	
R635	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R637	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R639	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	11J,11E,11EX,11EY,11EU,11EE,19UR,12E,12EX
R639	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	11U,11UT
R640	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R641	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	11J,11E,11EX,11EY,11EU,11EE,19UR,12E,12EX
R641	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	11U,11UT
R643	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R646	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R647	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R649	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R651	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R653	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R656	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	11J,11E,11EX,11EY,11EU,11EE,11U,11UT
R656	NRS181J-181X	MG RESISTOR	180Ω 1/8W J	19UR,12E,12EX
R658	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R659	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R663	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	19UR,12E,12EX
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R670	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	19UR,12E,12EX
R671	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	19UR,12E,12EX
R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R681	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R682	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R856	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R857	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
CJ601	QGZ1601K1-15S	CONNECTOR	(1-15)	
J602	QNS0215-001	3.5 JACK		11J,11E,11EX,11EY,11EU,11EE,19UR,12E,12EX
J602	QNS0245-001	AUX JACK		11U,11UT
JS686	QSW1219-001	ENCODER		
S601	NSW0124-001X	TACT SW		
S602	NSW0124-001X	TACT SW		
S603	NSW0124-001X	TACT SW		
S604	NSW0124-001X	TACT SW		
S605	NSW0124-001X	TACT SW		
S606	NSW0124-001X	TACT SW		
S607	NSW0124-001X	TACT SW		
S608	NSW0124-001X	TACT SW		
S609	NSW0124-001X	TACT SW		
S610	NSW0124-001X	TACT SW		
S611	NSW0124-001X	TACT SW		
S612	NSW0124-001X	TACT SW		
S613	NSW0124-001X	TACT SW		
S614	NSW0124-001X	TACT SW		
S615	NSW0124-001X	TACT SW		
S616	NSW0124-001X	TACT SW		
S617	NSW0124-001X	TACT SW		
S618	NSW0124-001X	TACT SW		
S619	NSW0124-001X	TACT SW		

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available.



The parts without symbol number are not service.

Packing and Accessories

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

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GET0506-001A	INST BOOK	ENG SPA FRE	11J
	A 1	GET0508-002A	INST BOOK	SPA GRE POR	11E
	A 1	GET0508-004A	INST BOOK	DUT SWE DAN FIN	11EX
	A 1	GET0508-007A	INST BOOK	POL CZE HUN	11EY
	A 1	GET0508-005A	INST BOOK	SPA RUS TUR PER	11EU
	A 1	GET0509-001A	INST BOOK	ENG RUS UKR	11EE
	A 1	GET0507-001A	INST BOOK	ENG THA RUS	11U
	A 1	GET0507-003A	INST BOOK	ENG CHI(TAIWAN)	11UT
	A 1	GET0508-002B	INST BOOK	SPA POR GRE	12E
	A 1	GET0508-004B	INST BOOK	DUT DAN FIN SWE	12EX
	A 2	GET0506-002A	INST.MANUAL	ENG SPA FRE	11J
	A 2	GET0508-008A	INST.MANUAL	GER FRE ITA	11E
	A 2	GET0508-010A	INST.MANUAL	ENG FRE	11EX,11EU
	A 2	GET0508-013A	INST.MANUAL	ENG GER RUS	11EY
	A 2	GET0509-002A	INST.MUNUAL	ENG RUS UKR	11EE
	A 2	GET0507-004A	INST.MANUAL	ENG THA RUS	11U
	A 2	GET0507-006A	INST.MANUAL	ENG CHI(TAIWAN)	11UT
	A 2	GET0508-009B	INST.MANUAL	SPA POR GRE	12E
	A 2	GET0508-011B	INST.MANUAL	DUT DAN FIN SWE	12EX
	A 3	GET0508-009A	INST.MANUAL	SPA GRE POR	11E
	A 3	GET0508-011A	INST.MANUAL	DUT SWE DAN FIN	11EX
	A 3	GET0508-014A	INST.MANUAL	POL CZE HUN	11EY
	A 3	GET0508-012A	INST.MANUAL	SPA RUS TUR PER	11EU
	A 3	GET0507-005A	INST.MANUAL	KOR CHI(TAIWAN) ARA PER	11U
	A 3	GET0508-008B	INST.MANUAL	GER FRE ITA	12E
	A 3	GET0508-010B	INST.MANUAL	ENG FRE	12EX
	A 4	----------	WARRANTY CARD	BT-52007-1	11J
	A 4	----------	WARRANTY CARD	BT-54032-1	11E,11EX,11EY,11EE
	A 4	----------	WARRANTY CARD	BT-54036-1	12E,12EX
	A 5	----------	WARRANTY CARD	BT-51018-5	11J
	A 6	BT-51041-1	REGIS. CARD		11J
	A 7	LVT1672-001A	INST SHEET		11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	A 8	GE20137-003A	MOUNTING SLEEVE		
	A 9	GE20235-009A	TRIM PLATE		11J
	A 9	GE20204-015A	TRIM PLATE		11E,11EX,11EY,11EU
	A 9	GE20204-008A	TRIM PLATE		11EE,12E,12EX
	A 9	GE20235-005A	TRIM PLATE		11U,11UT
	A 9	GE20235-002A	TRIM PLATE		19UR
	A 10	VKZ4027-202	PLUG NUT		
	A 11	GE40426-002A	MOUNT BOLT		
	A 12	VKZ4328-003	LOCK NUT		
	A 13	QYWWS53A008ZA	WASHER	0mm/5.3mm x	
	A 14	GE40130-002A	HOOK	(x2)	
	A 15	----------	BATTERY	3V	11J,11U,11UT
	A 16	RM-RK50C	REMOCON		11J,11U,11UT
	A 17	QAM0306-003	POWER CORD		11J
	A 17	QAM0531-002	POWER CORD		11E,11EX,11EY,11EU,11EE,19UR,12E,12EX
	A 17	QAM1087-001	POWER CORD		11U,11UT
	A 18	GE32320-001A	HARD CASE ASSY		
	A 19	GET0508-001A	INST BOOK	GER FRE ITA	11E
	A 19	GET0508-003A	INST BOOK	ENG FRE	11EX,11EU
	A 19	GET0508-006A	INST BOOK	ENG GER RUS	11EY
	A 19	GET0507-002A	INST BOOK	KOR CHI(TAIWAN) ARA PER	11U
	A 19	GET0508-001B	INST BOOK	GER FRE ITA	12E
	A 19	GET0508-003B	INST BOOK	ENG FRE	12EX
	A 20	GET0551-001A	EC DOC SHEET		11E,11EX,11EY,11EU
	A 20	GET0551-005A	EC DOC SHEET		12E,12EX
	A 21	VND3050-002	IDENTITY CARD		11E
	KIT	SRW-MA372	SCREW PARTS KIT	A10 A11 A12 A13 A14	
	P 1	GE32988-001A	CARTON		11J
	P 1	GE32997-001A	CARTON		11E,11EX,11EY,11EU
	P 1	GE33000-001A	CARTON		11EE
	P 1	GE32991-001A	CARTON		11U,11UT
	P 1	GE33583-001A	CARTON		12E,12EX
	P 2	QPC03004315PB	POLY BAG	30cm x 43cm	11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	P 3	FSPG4002-001	POLY BAG		11J,11EE,11UT
	P 3	FSPG4002-001	POLY BAG	(x2)	11E,11EX,11EY,11EU,11U,12E,12EX
	P 4	QPA00801205	POLY BAG	8cm x 12cm	11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	P 5	GE10218-001A	EPS CUSHION		11J,11U,11UT
	P 5	GE10220-001A	EPS CUSHION		11E,11EX,11EY,11EU,11EE,12E,12EX
	P 6	QPA01003003	POLY BAG	10cm x 30cm	11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	P 7	QPC01002515	POLY BAG	10cm x 25cm	11J,11E,11EX,11EY,11EU,11EE,11U,11UT,12E,12EX
	P 8	GE40218-095A	MIRAMA SHEET		19UR

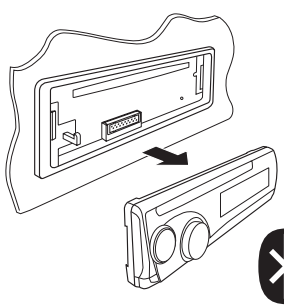
JVC

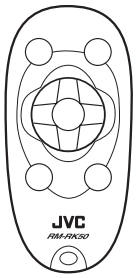
SCHEMATIC DIAGRAMS

CD RECEIVER

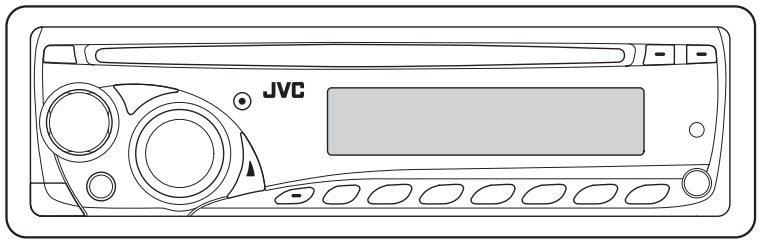
KD-BT11J,KD-BT11E,KD-BT11EX
KD-BT11EY,KD-BT11EU,KD-BT11EE
KD-BT11U,KD-BT11UT,KD-BT19UR
KD-BT12E,KD-BT12EX

DVD-ROM No.SML2008Q2





for J/U/UT/UR



Bluetooth®

MP3 WMA

COMPACT disc DIGITAL AUDIO TEXT

R·D·S

for E/EX/EY/EU/EE

for EE

SAT RADIO READY

Amplifier Power Standard CEA CEA-2006 Compliant

HD Radio® READY

for J/UR

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

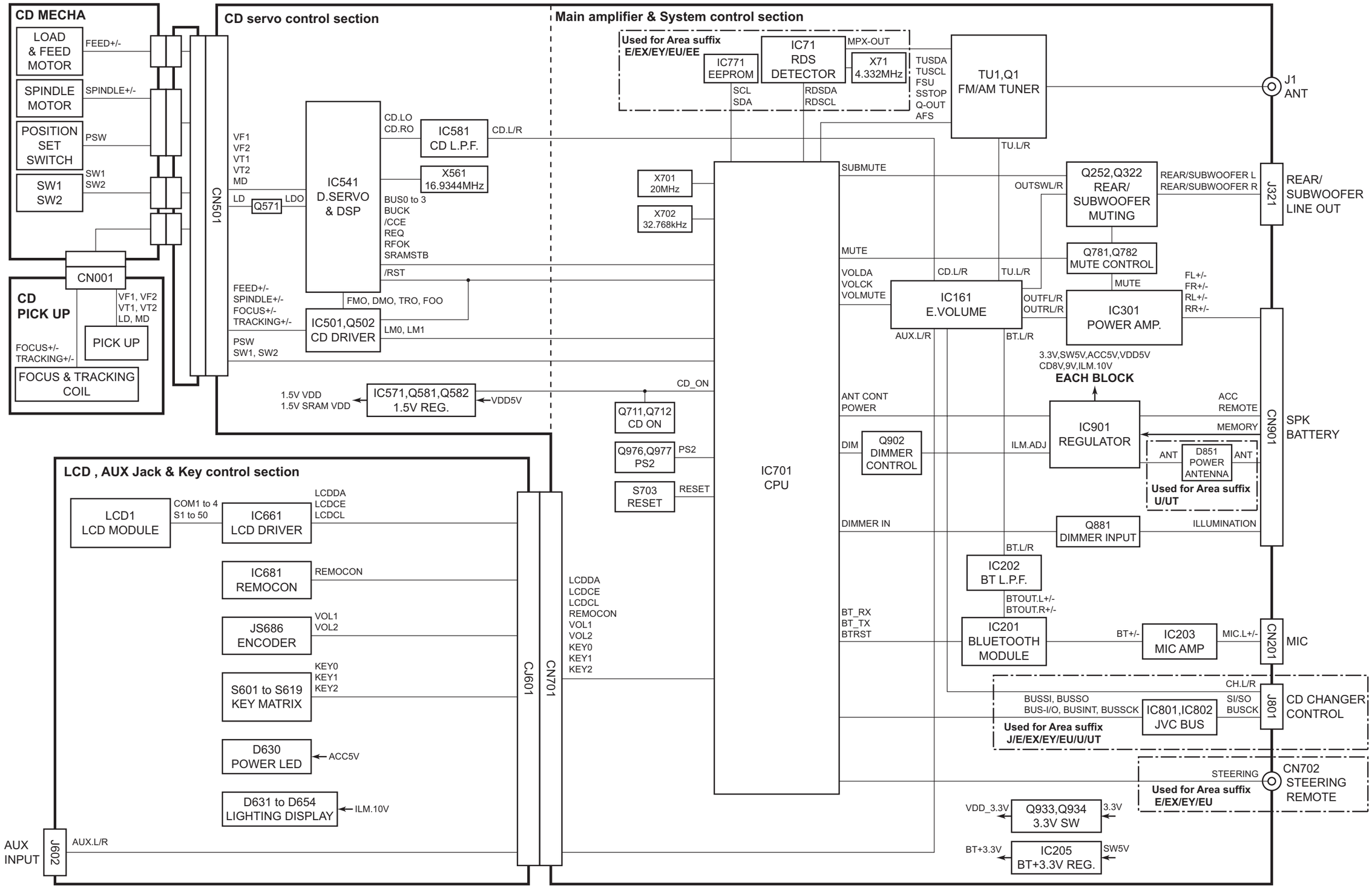
No.MA387SCH<Rev.003>
2008/9

Safety precaution

⚠ ***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.**

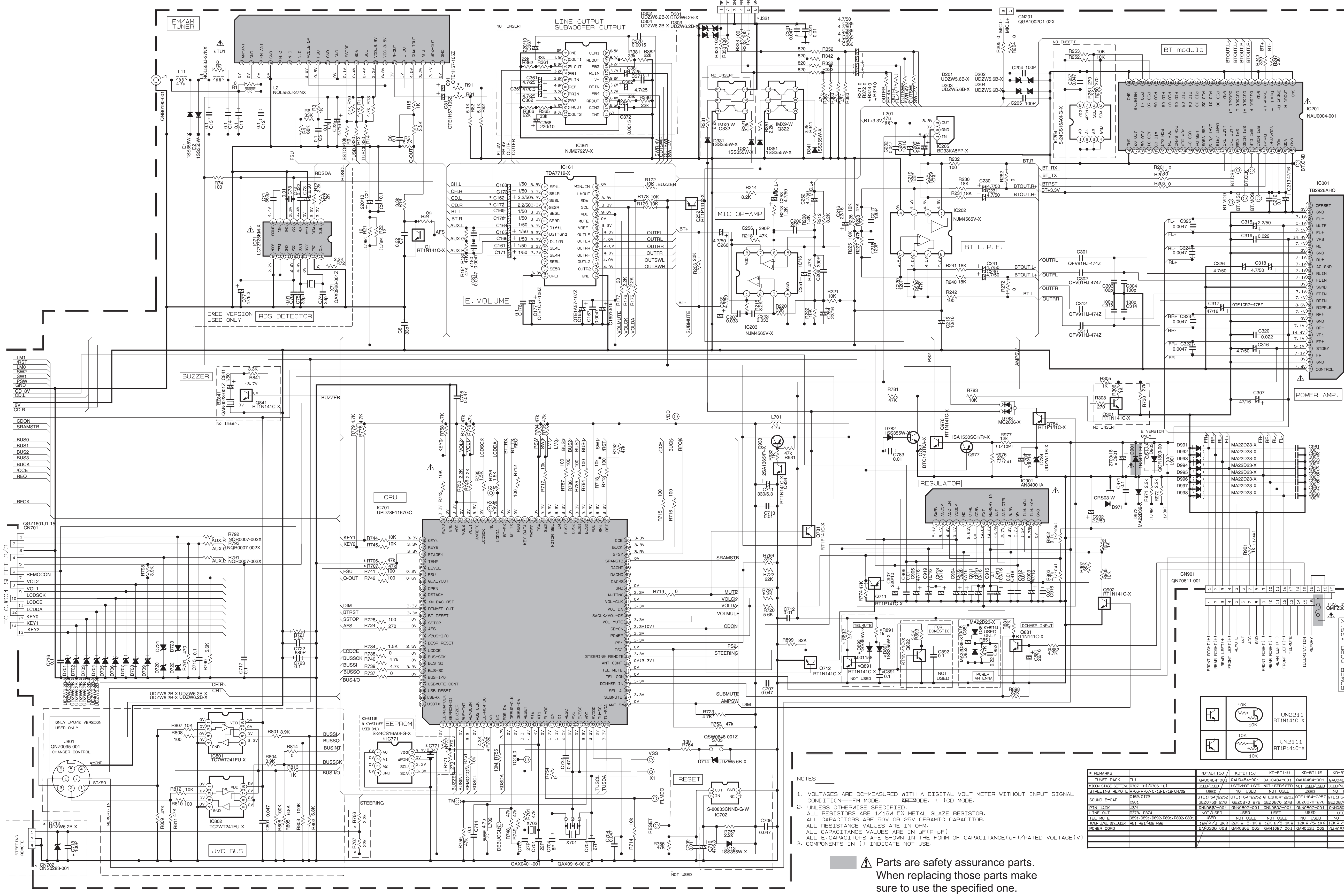
⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

Block diagram



Standard schematic diagrams

■ Main section



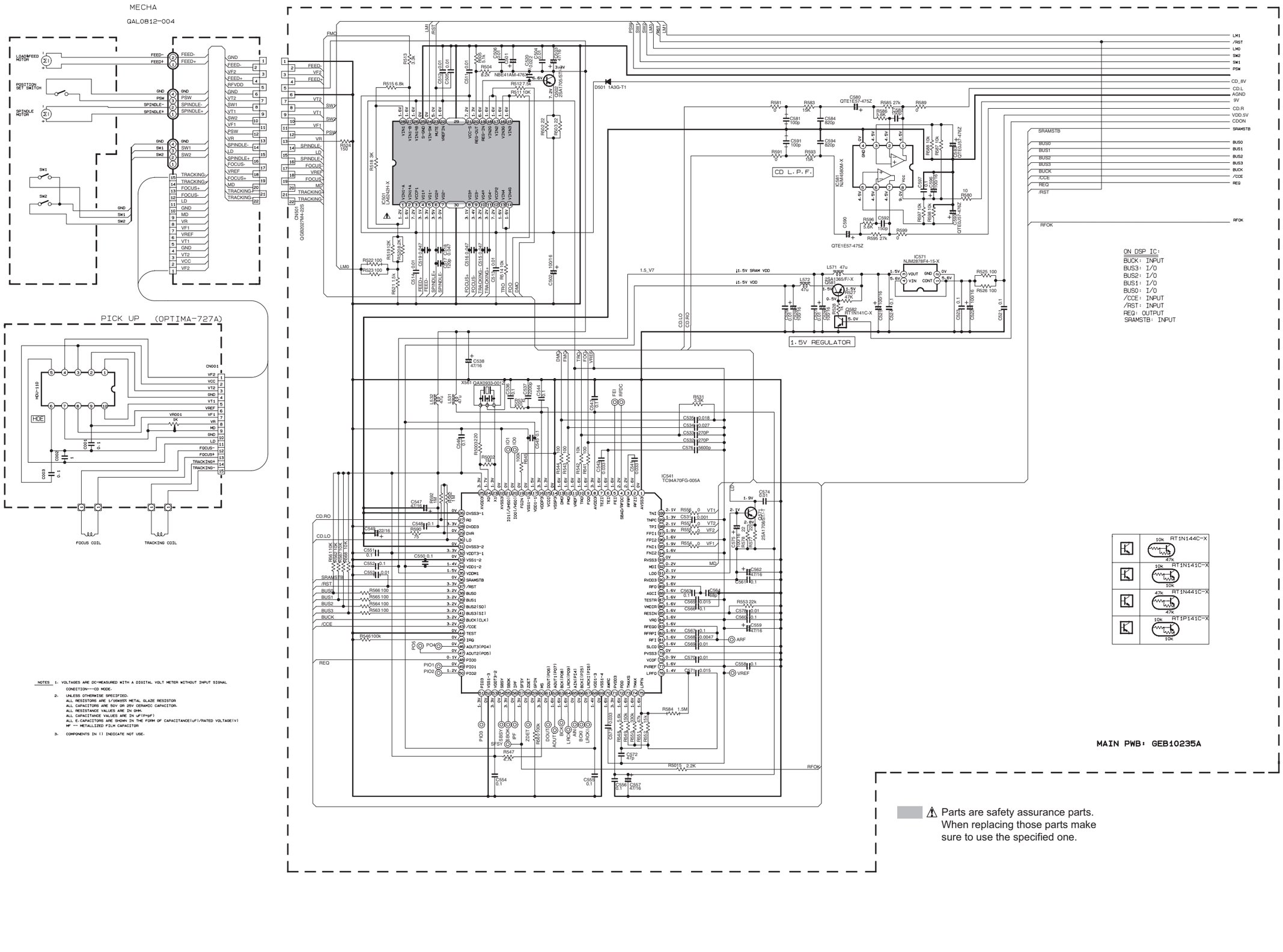
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION---FM MODE. AM MODE. ( )CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W 5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
3. COMPONENTS IN ( ) INDICATE NOT USE.

* REMARKS		KD-ABT11J	KD-BT11J	KD-BT11U	KD-BT11E	KD-BT11EE
TUNER PACK	TU1	QAU0484-001	QAU0484-001	QAU0484-001	QAU0484-001	QAU0485-001
MICON STAGE SETTING	R707 (H)/R706 (L)	USED/USED	USED/NOT USED	NOT USED/USED	NOT USED/USED	USED/NOT USED
STREEING REMOTE	R766, R767, C718, D712, CN702	USED	NOT USED	NOT USED	USED	NOT USED
SOUND E-CAP	C162, C172	QTE1H54-225Z	QTE1H64-225Z	QTE1H64-225Z	QTE1H64-225Z	QTE1H64-225Z
	C901	QEZ0769-278	QEZ0870-278	QEZ0870-278	QEZ0870-278	QEZ0870-278Z
PIN JACK	J321	QNN0832-001	QNN0802-001	QNN0802-001	QNN0802-001	QNN0802-001
LINE OUT	R373, R374	NOT USED	USED	USED	USED	USED
TEL MUTE	Q891, D891, D892, R891, R892, C891	USED	NOT USED	NOT USED	NOT USED	NOT USED
TUNER LEVEL DIVIDEDER	R81 R91/R82 R92	12KΩ/3.3KΩ	22KΩ 5.1KΩ	12KΩ/5.1KΩ	12KΩ/5.1KΩ	12KΩ/5.1KΩ
POWER CORD		QAM0306-003	QAM0306-003	QAM1087-001	QAM0531-002	QAM0531-002

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

■ CD section



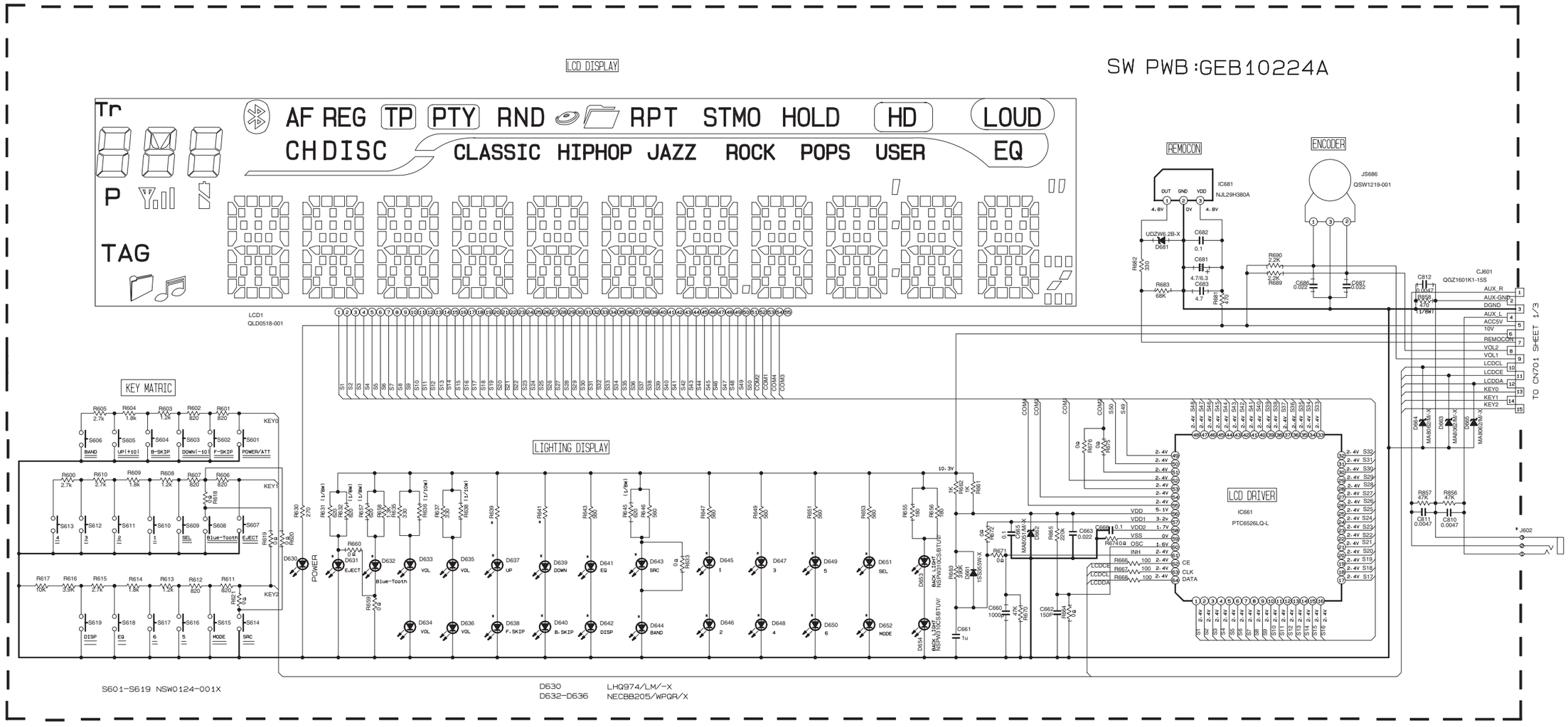
NOTES 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION----CD MODE.

2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W±5% METAL GLAZE RESISTOR
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μF(P=pF)
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
MF --- METALLIZED FILM CAPACITOR

3. COMPONENTS IN ( ) INDICATE NOT USE.

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

■ LCD & Key control section



S601-S619 NSW0124-001X

D630 LHQ974/LM/-X
D632-D636 NECBB205/WPQR/X

*REMARKS		KD-BT11U	KD-BT11J	KD-BT11E KD-BT11EE
LED BRIGHTNESS	D631-D632 D641-D652	LHQ974/LM/-X	LHQ974/LM/-X	LSQ971/KL/-X
	D637-D640	NECBB205/WPQR/X	LHQ974/LM/-X	LSQ971/KL/-X
	R639-R641	680	560	560
AUX JACK	J602	QNS0245-001	QNS0215-001	QNS0215-001

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
   T --- TANTAL CAPACITOR.

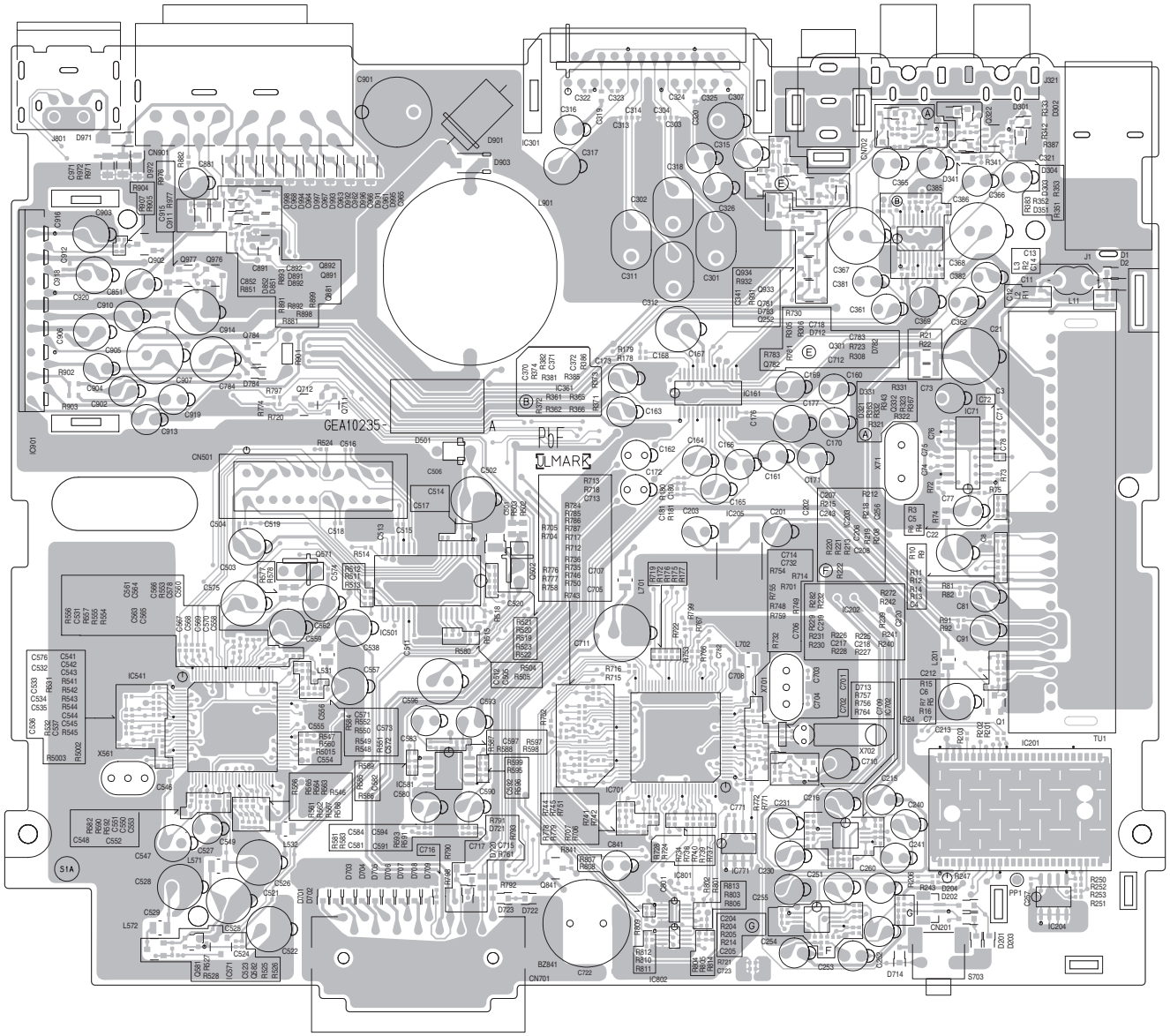
3. COMPONENTS IN ( ) INDICATE NOT USE.

Printed circuit boards

■ Main board

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

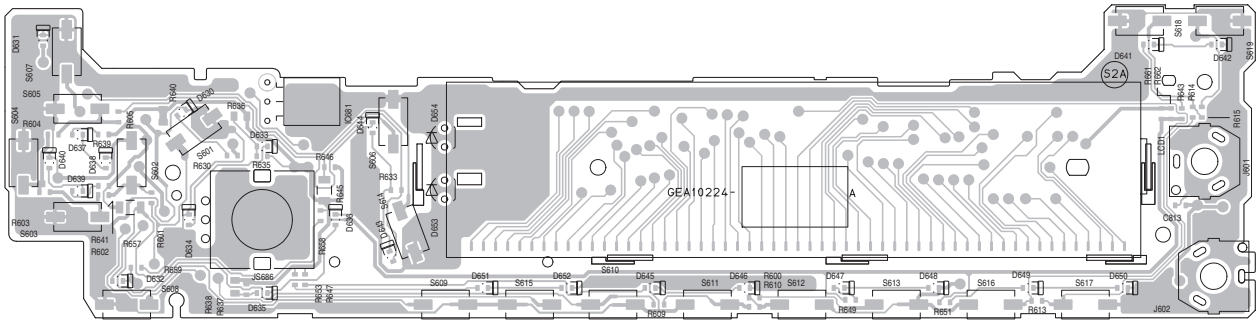
(forward side) Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



■ Switch board

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

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

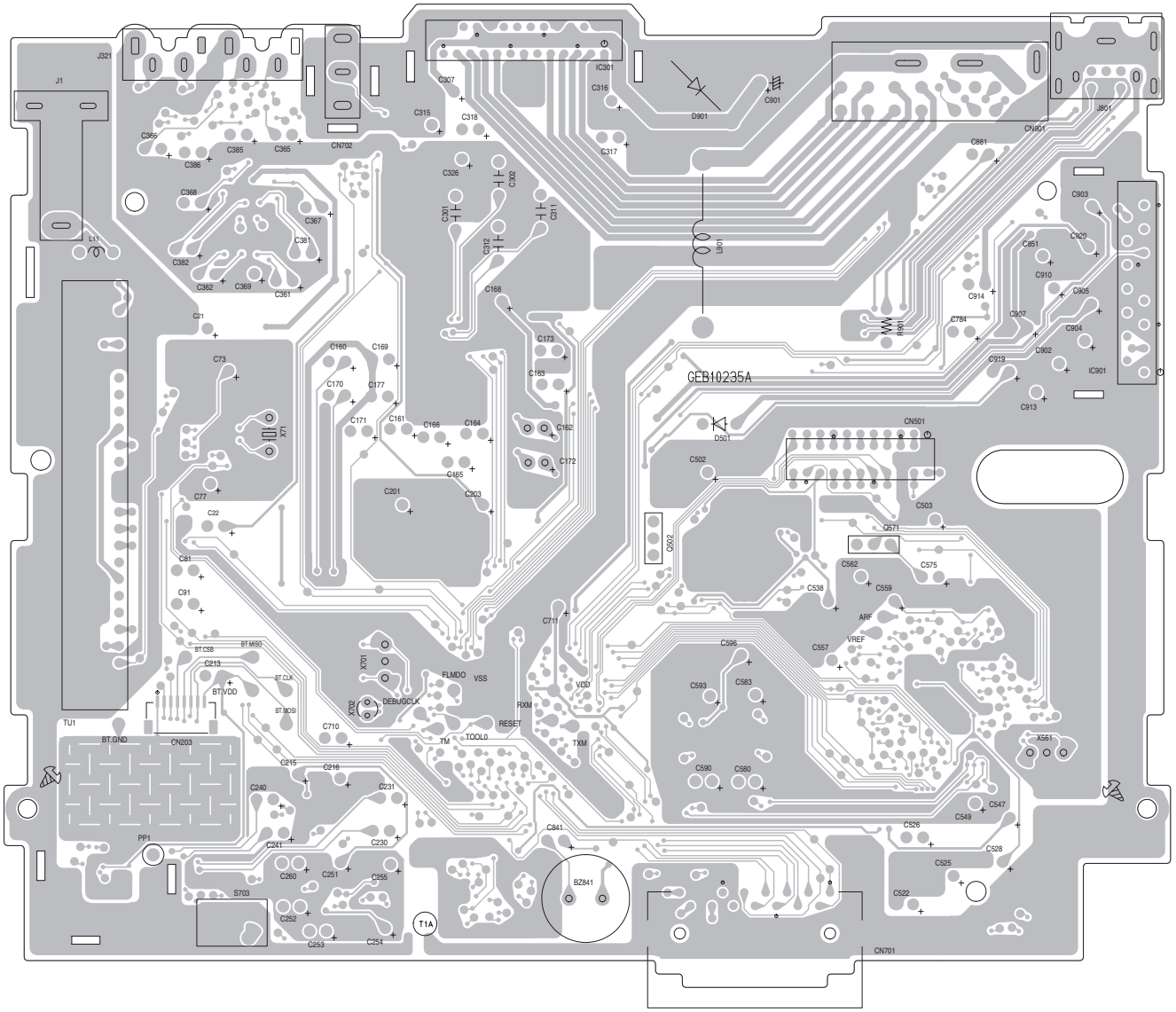


■ Main board

(reverse side)

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)

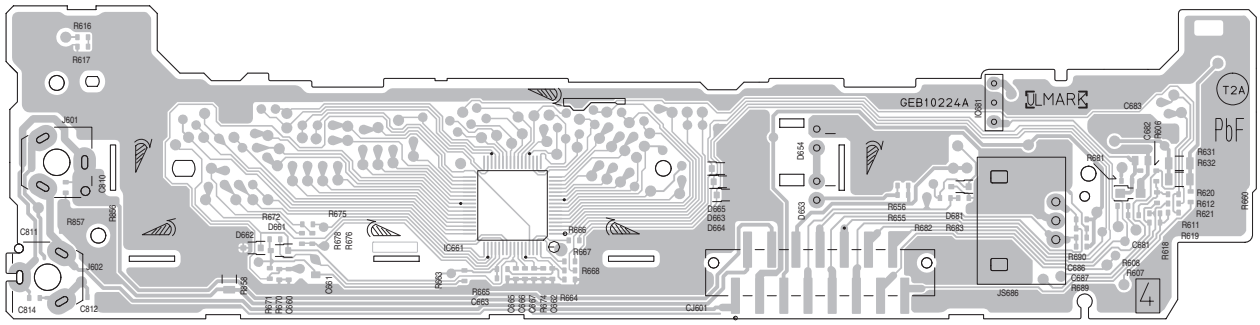


■ Switch board

(reverse side)

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

Mobile Entertainment Division 10-1,1chome,Ohwatari-machi,Maebashi-city,Gumma-ken,371-8543,Japan

(No.MA387SCH<Rev.003>)

Printed in Japan
VPT