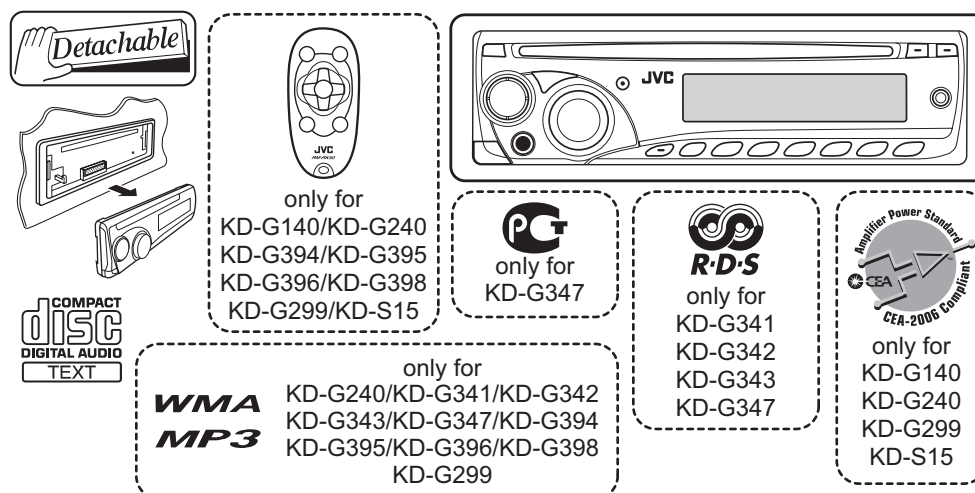




SERVICE MANUAL

CD RECEIVER

KD-G140J, KD-G240J, KD-G244UI, KD-G245U, KD-G245UN,
KD-G245UT, KD-G245UH, KD-G248UF, KD-G341E,
KD-G341EX, KD-G341EY, KD-G341EU, KD-G342E,
KD-G342EX, KD-G342EY, KD-G342EU, KD-G343E, KD-G343EX,
KD-G343EY, KD-G343EU, KD-G347SEE, KD-G347BEE,
KD-G394UI, KD-G395U, KD-G395UN, KD-G395UT, KD-G395UH,
KD-G396U, KD-G396UN, KD-G396UT, KD-G396UH,
KD-G398UF, KD-G396SUI, KD-G299UR, KD-S15J,
KD-G347BEE2, KD-G347SEE2, KD-G245HUN



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

1	PRECAUTION.....	1-8
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-11
3	DISASSEMBLY	1-11
4	ADJUSTMENT	1-23
5	TROUBLESHOOTING	1-24

SPECIFICATION

KD-G140/KD-G240/KD-S15

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 at 60 Hz
	Mid-range	±12 dB at 1 kHz
	Treble	±12 dB at 7.5 kHz
Frequency Response		40 Hz to 20 000 Hz
Line-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Output Impedance		1 kΩ
Subwoofer-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Tuner section		
Frequency Range	FM	87.5 MHz to 107.9 MHz (with channel interval set to 100 kHz or 200 kHz) 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz)
	AM	530 kHz to 1 710 kHz (with channel interval set to 10 kHz) 531 kHz to 1 602 kHz (with channel interval set to 9 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/Selectivity	20 μV/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		93 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (for KD-G240)	Max. Bit Rate	MPEG1/2 Audio Layer 3
		320 kbps
WMA (Windows Media® Audio) Decoding Format (for KD-G240)	Max. Bit Rate	192 kbps
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)	Installation Size (approx.)	182 mm × 52 mm × 160 mm (7-3/16" × 2-1/16" × 6-5/16")
	Panel Size (approx.)	188 mm × 58 mm × 5 mm (7-7/16" × 2-5/16" × 1/4")
	Mass (approx.)	1.3 kg (2.9 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

KD-G244/KD-G245/KD-G248/KD-G394/KD-G395/KD-G396/KD-G398

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 at 60 Hz
	Mid-range	± 12 dB at 1 kHz
	Treble	± 12 dB at 7.5 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance (for KD-G395/KD-G396/KD-G398)		2.5 V/20 k Ω load (full scale)
Output Impedance (for KD-G395/KD-G396/KD-G398)		1 k Ω
Other Terminal (except for KD-G248/KD-G398)		AUX (auxiliary) input jack
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 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	(for KD-G244/KD-G394) 35 dB (for others) 30 dB
AM Tuner	Sensitivity/Selectivity	20 μ V/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		93 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format (MPEG1/2 Audio Layer 3) (for KD-G395/KD-G396/KD-G398)	Max. Bit Rate	320 kbps
WMA (Windows Media® Audio) Decoding Format (for KD-G395/KD-G396/KD-G398)	Max. Bit Rate	192 kbps
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 \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 160 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 5 mm
	Mass (approx.)	1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

KD-G341/KD-G342/KD-G343

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 at 100 Hz
	Treble	± 12 dB at 10 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		2.5 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
Other Terminal		AUX (auxiliary) input jack
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 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/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 μ V/35 dB
LW Tuner	Sensitivity	50 μ V
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		93 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
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 \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 160 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 13 mm
	Mass (approx.)	1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

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 at 100 Hz
	Treble	± 12 dB at 10 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Other Terminal		AUX (auxiliary) input jack
Tuner section		
Frequency Range	FM1/2	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 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/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 μ V/35 dB
LW Tuner	Sensitivity	50 μ V
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		93 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
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 \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 160 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 13 mm
	Mass (approx.)	1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

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 at 60 Hz
	Mid-range	± 12 dB at 1 kHz
	Treble	± 12 dB at 7.5 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		2.5 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
Other Terminal		AUX (auxiliary) input jack
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 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	30 dB
AM Tuner	Sensitivity/Selectivity	20 μ V/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		93 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
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 \times H \times D) (approx.)	Installation Size	178 mm \times 50 mm \times 160 mm
	Panel Size	178 mm \times 50 mm \times 17 mm
Mass		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

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 at 60 Hz
	Mid-range	±12 dB at 1 kHz
	Treble	±12 dB at 7.5 kHz
Frequency Response		40 Hz to 20 000 Hz
Line-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Output Impedance		1 kΩ
Subwoofer-Out Level/Impedance		2.5 V/20 kΩ load (full scale)
Tuner section		
Frequency Range	FM	87.5 MHz to 107.9 MHz (with channel interval set to 100 kHz or 200 kHz) 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz)
	AM	530 kHz to 1 710 kHz (with channel interval set to 10 kHz) 531 kHz to 1 602 kHz (with channel interval set to 9 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/Selectivity	20 μV/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		93 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format	Max. Bit Rate	MPEG1/2 Audio Layer 3
		320 kbps
WMA (Windows Media® Audio) Decoding Format	Max. Bit Rate	192 kbps
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)	Installation Size (approx.)	182 mm × 52 mm × 160 mm (7-3/16" × 2-1/16" × 6-5/16")
	Panel Size (approx.)	188 mm × 58 mm × 5 mm (7-7/16" × 2-5/16" × 1/4")
	Mass (approx.)	1.3 kg (2.9 lbs) (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 performing 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

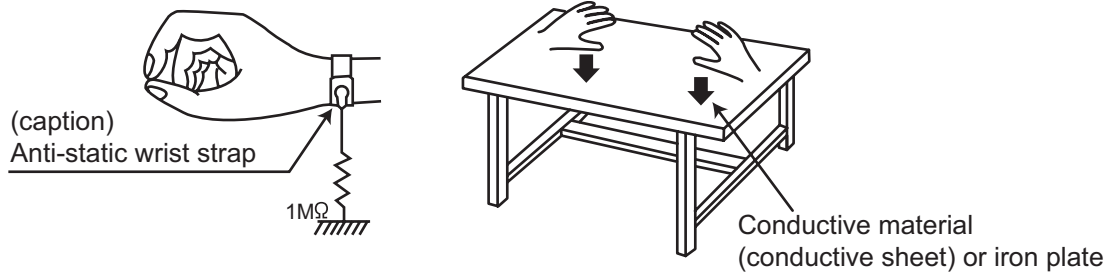
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(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.

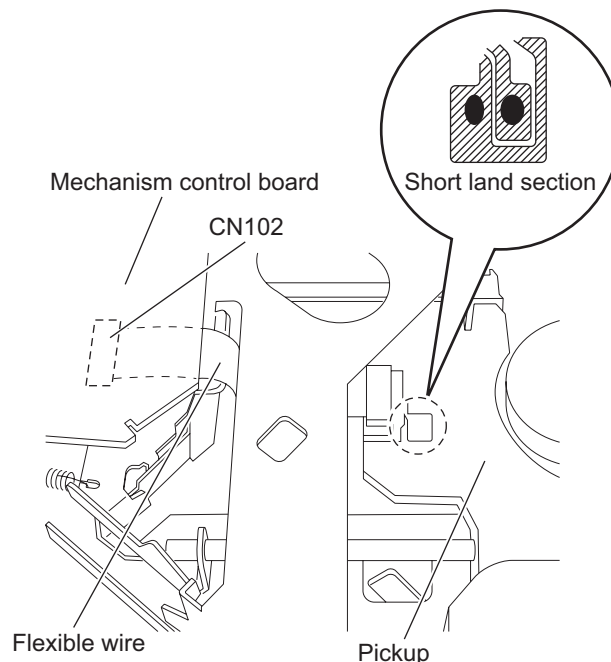
1.3 Handling the traverse unit (optical pickup)

- (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.

(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.

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

VARO! Avattaessa olet alttiina nakyyvalle ja/tai näkymättömälle luokan 1M lasersäteilylle. Älä tarkastele sitä optisen laitteen läpi.

ADVASEL: 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 diretamente com instrumentos ópticos.

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.

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

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 级辐射。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 مفتوحاً. 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 VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACIÓN LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 ここを覗くと有害 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 覗かないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44803-003A
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SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body (used figure is KD-G341)

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.



hook **a**

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)

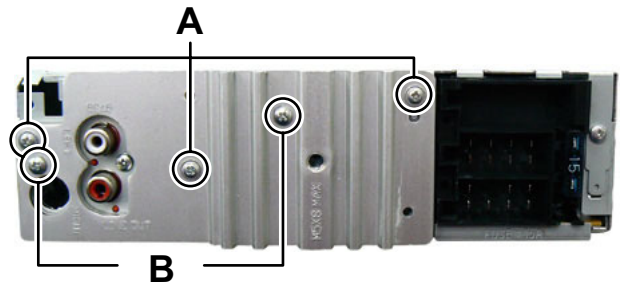


Fig.2

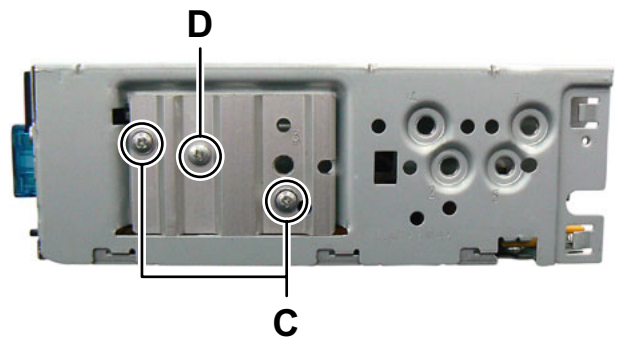


Fig.3

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)

- (1) Remove the two screws **F** attaching the MAIN BOARD assembly.
- (2) Disconnect the connector **CN501** connected to MAIN BOARD assembly and CD MECHANISM assembly.

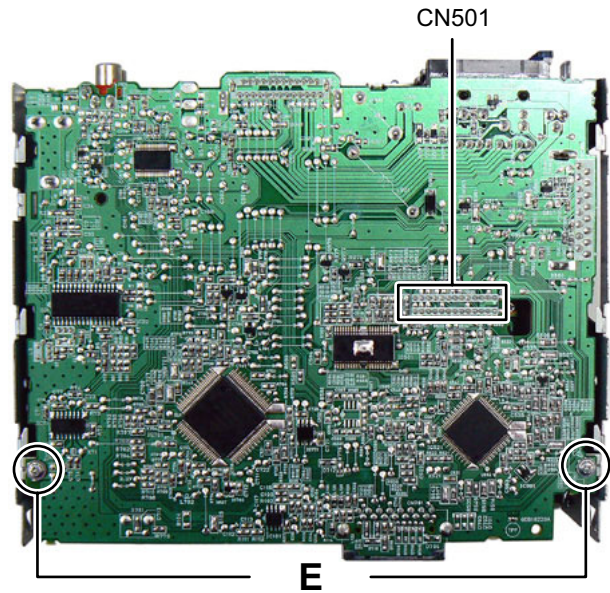


Fig.5

3.1.5 Removing the CD MECHANISM assembly (See Fig.6)

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

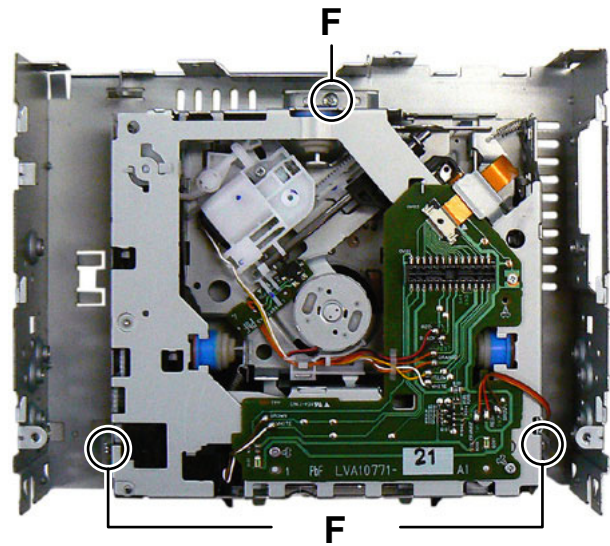


Fig.6

3.1.6 Removing the SWITCH BOARD assembly (See Fig.7)

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

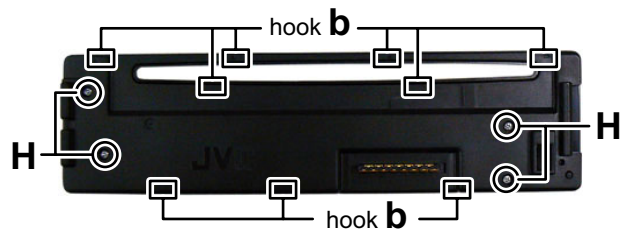


Fig.7

3.2 CD MECHANISM assembly section

- Remove the CD MECHANISM assembly from the main body.

3.2.1 Removing the MECHANISM CONTROL BOARD assembly (See Fig.1 and 2)

- (1) From the bottom side of CD MECHANISM assembly, remove the solders from the soldered sections (**a**, **b** and **c**) on the MECHANISM CONTROL BOARD assembly. (See Fig.1.)
- (2) Remove the three screws **A** and one screw **B** attaching the MECHANISM CONTROL BOARD assembly. (See Fig.1.)
- (3) Solder the short land sections on the pickup. (See Fig.2.)

Caution:

- Solder the short land sections on the pickup before disconnecting the flexible wire from the connector [CN102](#) on the MECHANISM CONTROL BOARD assembly.

If the card wire is disconnected without attaching solder, the pickup may be destroyed by static electricity. (See Fig.2.)

- When attaching the MECHANISM CONTROL BOARD assembly, remove the solders from the short land sections after connecting the flexible wire to the connector [CN102](#) on the MECHANISM CONTROL BOARD assembly.

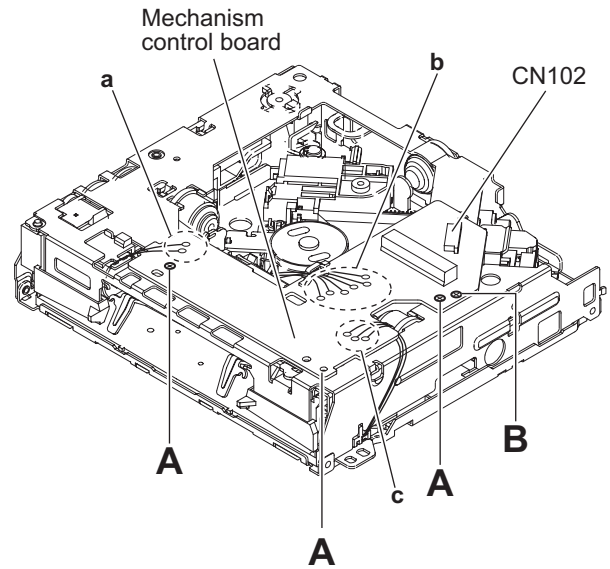


Fig.1

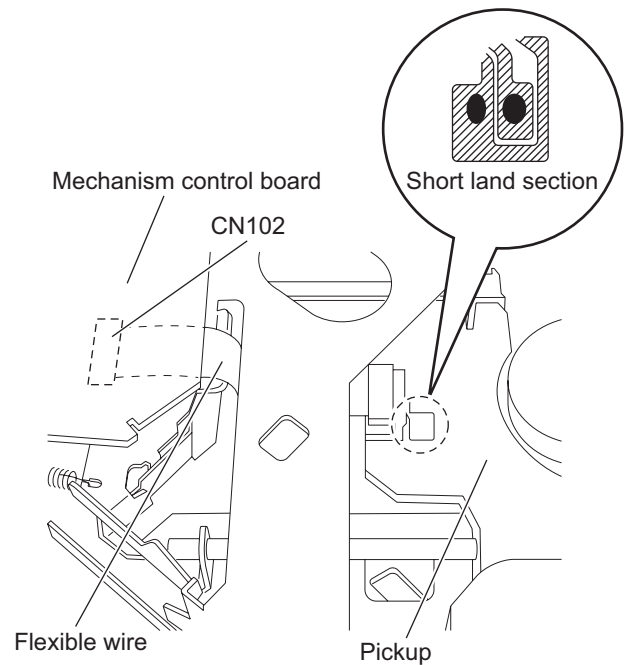
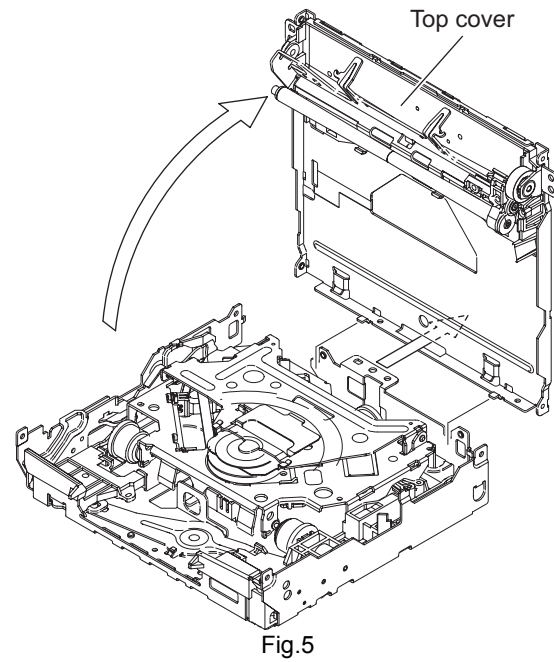
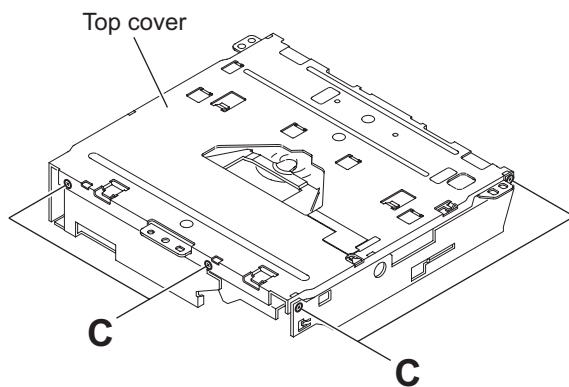
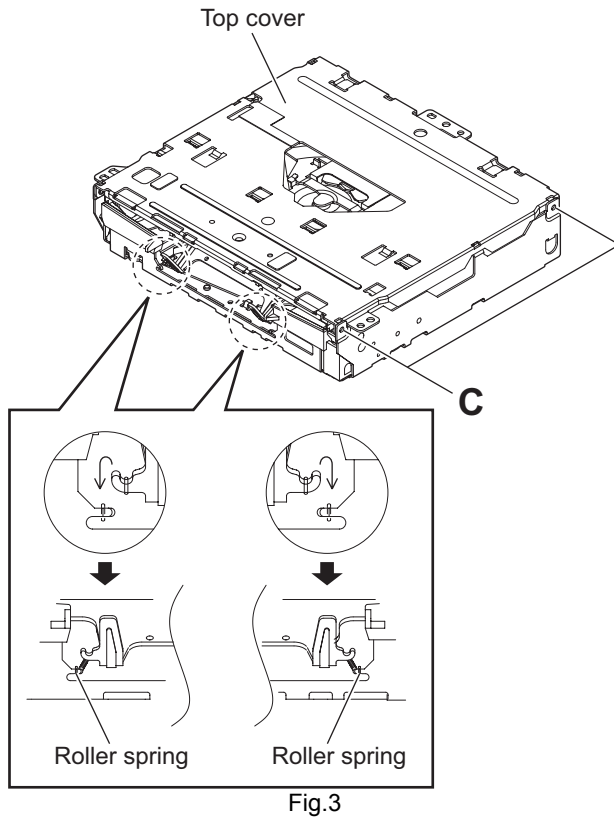


Fig.2

3.2.2 Removing the top cover (See Fig.3 to 5)

- Remove the MECHANISM CONTROL BOARD assembly.

- (1) From the front side of the CD MECHANISM assembly, change the hook position of the two roller springs. (See Fig.3.)
- (2) From the side of the CD MECHANISM assembly, remove the six screws **C** attaching the top cover. (See Fig.3 and 4.)
- (3) Take out the top cover in an upward direction. (See Fig.5.)



3.2.3 Removing the roller (See Fig.6)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.
- (1) From the bottom side of the top cover, remove the screw **D** attaching the gear holder.
- (2) Remove the R.holder assembly from disc plate, and then take out the roller from R.holder assembly in the direction of the arrow.

Reference:

When attaching the R.ACT gear (2) and R.ACT gear (3), apply grease to the section **d** of R.holder assembly.

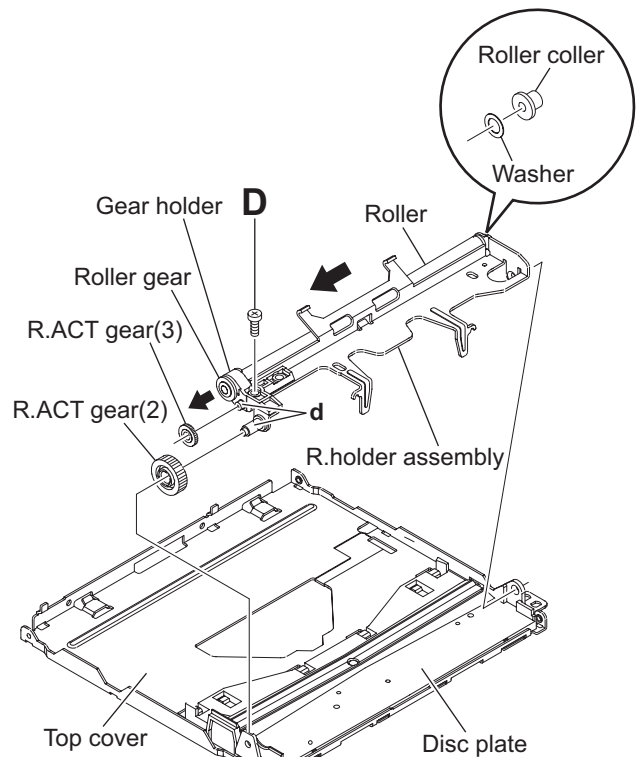


Fig.6

3.2.4 Removing the PHOTO BOARD assembly (See Fig.7 and 8)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.
- (1) From the bottom side of the top cover, release the projection **e** from the notch of the disc plate. (See Fig.7.)
- (2) Take out the disc plate in the direction of the arrow. (See Fig.7.)
- (3) From the reverse side of the disc plate, remove the screw **E** attaching the PHOTO BOARD assembly. (See Fig.8.)

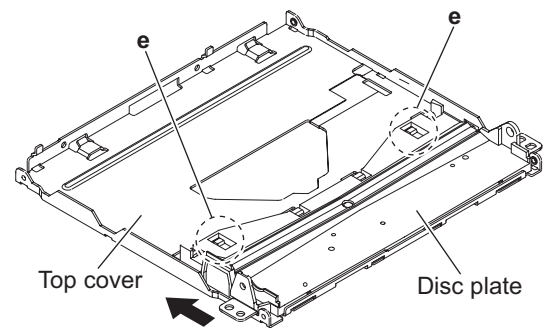


Fig.7

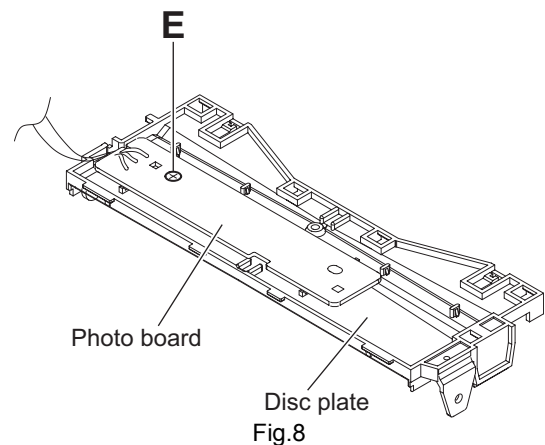


Fig.8

3.2.5 Removing the mechanism section (See Fig.9 and 10)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.

- (1) From the top side of the CD MECHANISM assembly, remove the two screws **F** attaching the loading motor assembly. (See Fig.9.)
- (2) Remove the two roller springs on the top side of the mecha frame. (See Fig.9.)
- (3) Remove the four SUS springs on the top side of the mecha frame. (See Fig.9.)
- (4) Remove the link spring on the top side of the mecha frame. (See Fig.10.)
- (5) Release section **f** of the three dampers from the mecha frame. (See Fig.10.)

Reference:

When attaching the roller spring and SUS spring, keep direction before remove.

- (6) Move the slide cam (R) assembly in the direction of the arrow, and then take out the mechanism section in an upward direction. (See Fig.10.)

Reference:

When attaching the mechanism section, apply grease to the section **g**. (See Fig.10.)

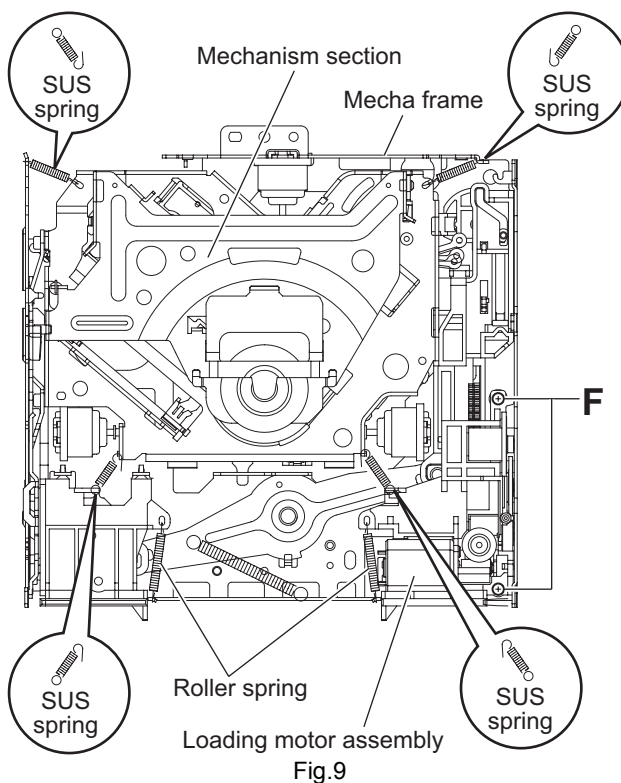


Fig.9

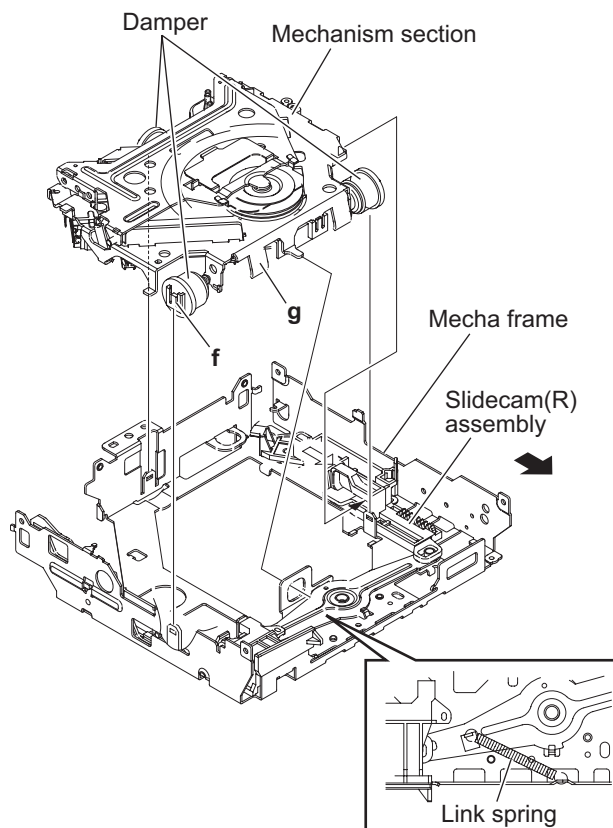


Fig.10

3.2.6 Removing the slide cam (L) (See Fig.11 to 13)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.

- (1) From the top side of the mecha frame, remove the screw **G** attaching the cam cover. (See Fig.11.)
- (2) Take out the cam cover from mecha frame in an upward direction. (See Fig.11.)
- (3) Take out the slide cam (L) in the direction of the arrow. (See Fig.12.)

Reference:

When attaching the slide cam (L), apply grease to the section **h**. (See Fig.13.)

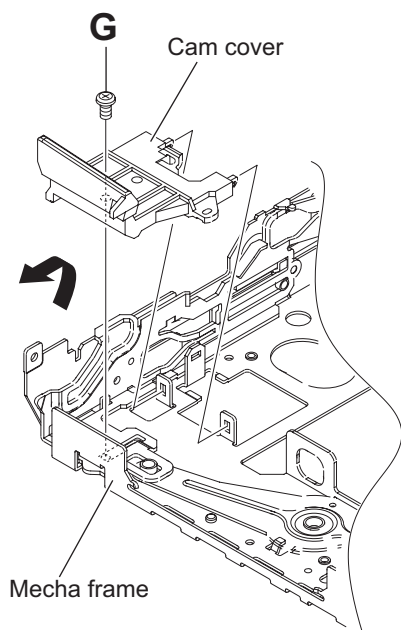


Fig.11

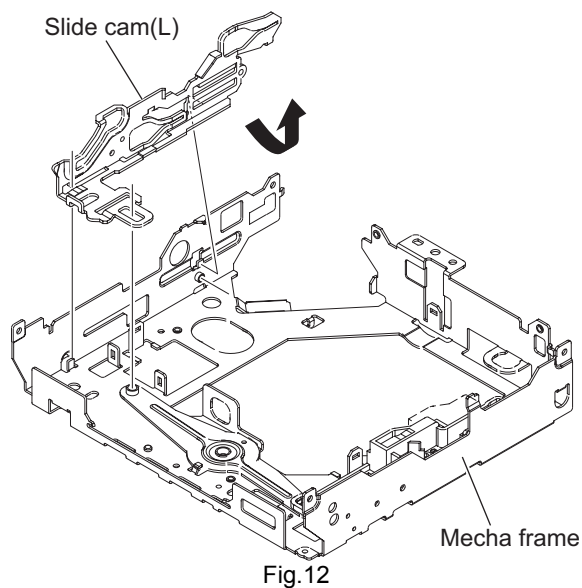


Fig.12

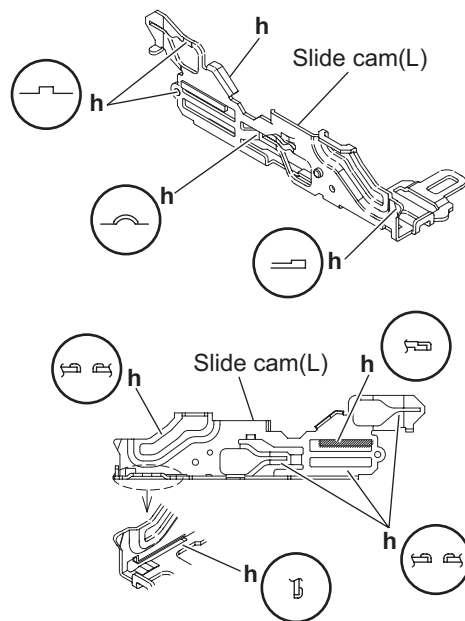


Fig.13

3.2.7 Removing the F.lock lever and slide cam (R) (See Fig.14 and 15)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.
 - (1) From the top side of the mecha frame, take out the slide cam (R) assembly in an upward direction. (See Fig.14.)
 - (2) Rotate the F.lock lever in the direction of the arrow 1, and then take out the direction of the arrow 2. (See Fig.14.)

Reference:

When attaching the slide cam (R) assembly, the f.lock lever and the link arm apply grease to the section **h**. (See Fig.14 and 15.)

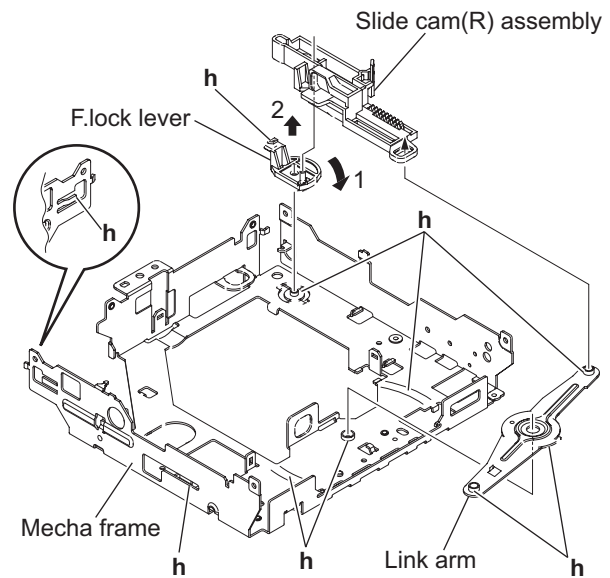


Fig.14

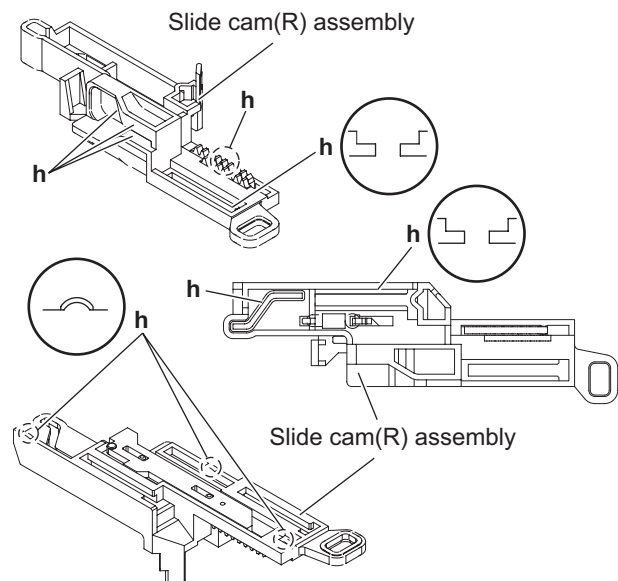


Fig.15

3.2.8 Removing the damper (See Fig.16)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.

From the mechanism section, pull out the three dampers in the direction of the arrow.

Reference:

Before inserting the shaft to the dampers, apply IPA to the pocket **j** of damper.

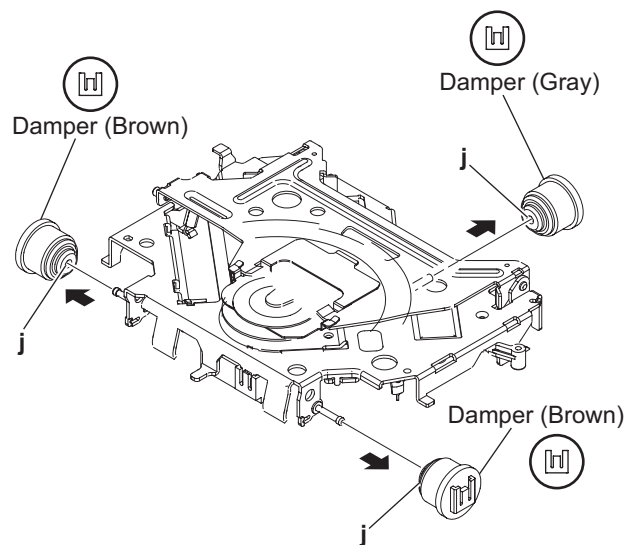


Fig.16

3.2.9 Removing the clamper assembly (See Fig.17)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.
 - (1) From the top side of the mechanism section, release the clamper spring.
 - (2) Move the clamper assembly in the direction of the arrow, and then release the joints (**k** and **m**).
 - (3) Take out the clamper assembly from the T.M chassis assembly.

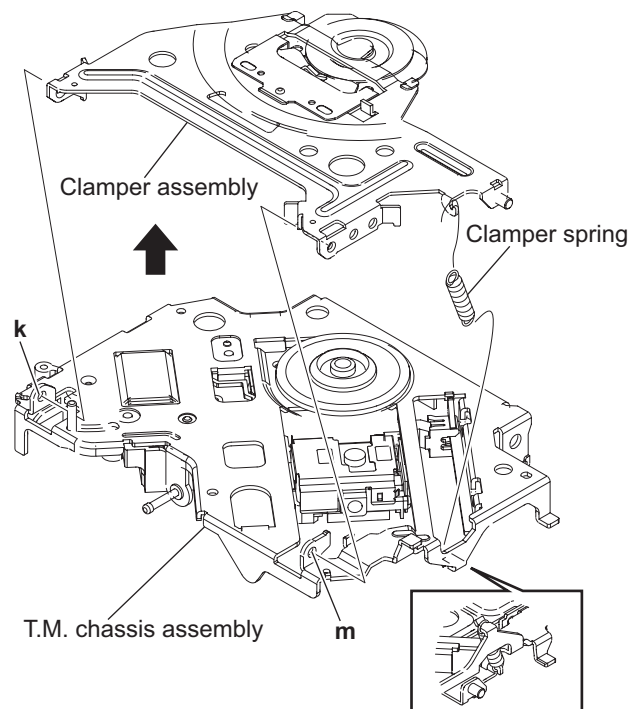


Fig.17

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

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section and clamber assembly.
 - From the bottom side of the T.M chassis assembly, remove the two screws **H** attaching the feed motor assembly. (See Fig.18.)
 - Remove the two screws **J** attaching the feed motor to f.motor holder. (See Fig.19.)

Reference:

When attaching the f. wheel gear, trigger arm and feed motor, apply grease to the sections (**n**, **p** and **q**). (See Fig.18 and 19.)

3.2.11 Removing the SWITCH BOARD assembly (See Fig.18)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamber assembly and feed motor assembly.

From the bottom side of the T.M chassis assembly, take out the SWITCH BOARD assembly in an upward direction from T.M chassis assembly.

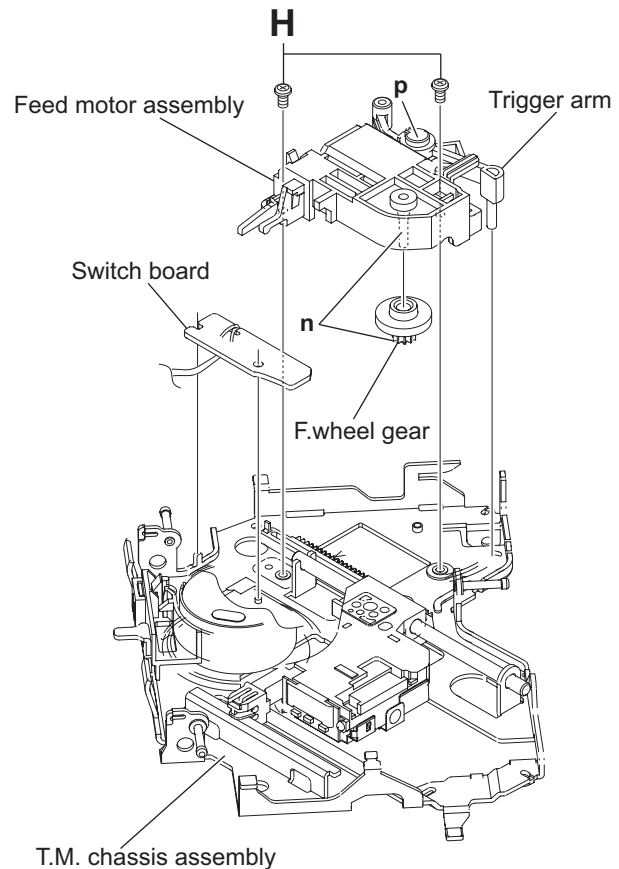


Fig.18

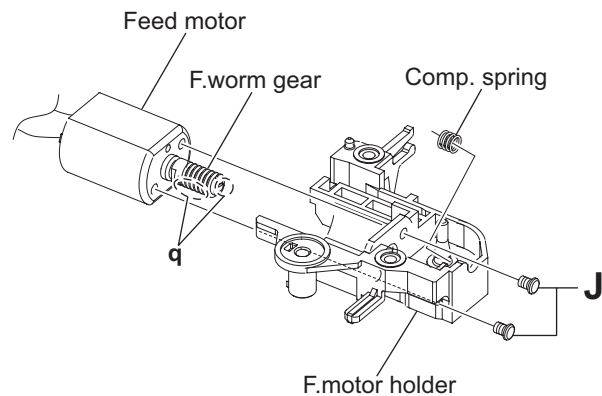


Fig.19

3.2.12 Removing the loading motor (See Fig.20)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section and clamber assembly.
 - From the right side of the L.M base assembly, remove the two screws **K** attaching the loading motor.
 - Take out the loading motor in the direction of the arrow from the L.M base assembly.

Reference:

When attaching the loading motor, apply grease to the section **r**.

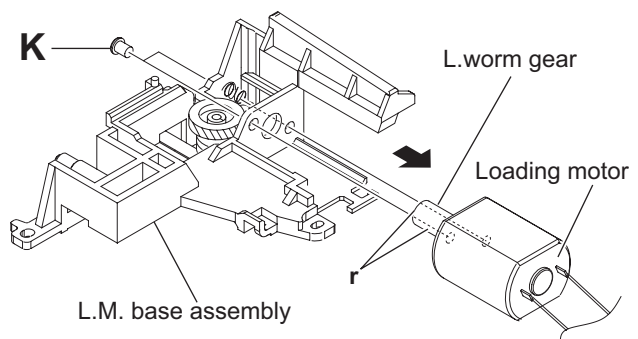


Fig.20

3.2.13 Removing the pickup assembly (See Fig.21 to 22)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamber assembly and feed motor assembly.

Caution:

- Do not touch section **u** on the pickup assembly. (See Fig.21 and 22.)
- (1) From the bottom side of the T.M chassis assembly, move the pickup assembly in the direction of the arrow from the T.M chassis assembly. (See Fig.21.)
 - (2) Pull out the main shaft. (See Fig.21.)
 - (3) Remove the screw **M** attaching the pickup to the rack plate. (See Fig.22.)

Reference:

When attaching the loading motor, apply grease to the sections **s** and **t**. (See Fig.21.)

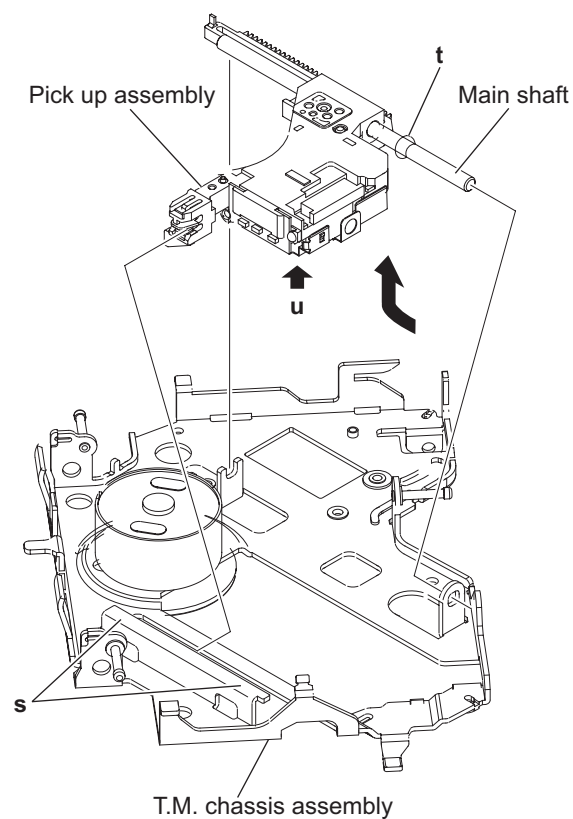


Fig.21

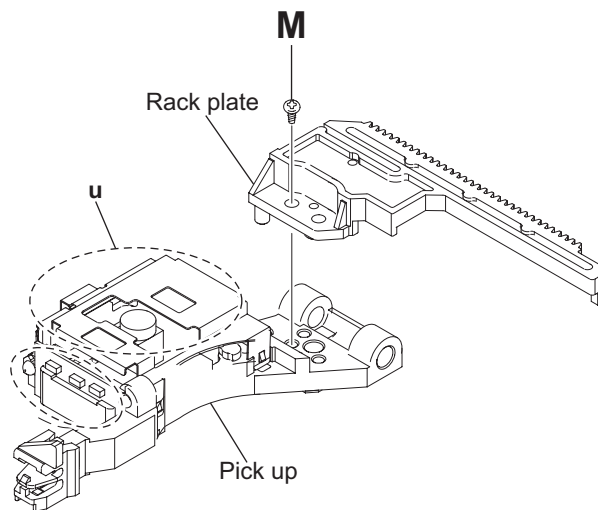


Fig.22

3.2.14 Removing the spindle motor (See Fig.23 and 24)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamper assembly, feed motor assembly and pickup assembly.

- (1) From the top side of the T.M chassis assembly, remove the CD T.table assembly from the spindle motor. (See Fig.23.)
- (2) Remove the two screws **N** attaching the spindle motor. (See Fig.23.)
- (3) Take out the spindle motor from the bottom side of the T.M chassis assembly. (See Fig.23.)

Reference:

When attaching the CD T.table assembly to the spindle motor shaft, apply loctite 460 to inside the CD T.table assembly. (See Fig.24.)

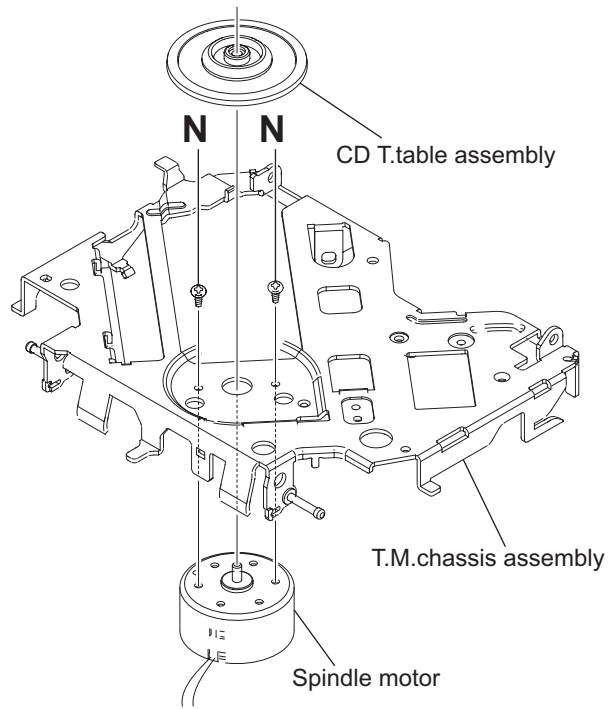


Fig.23

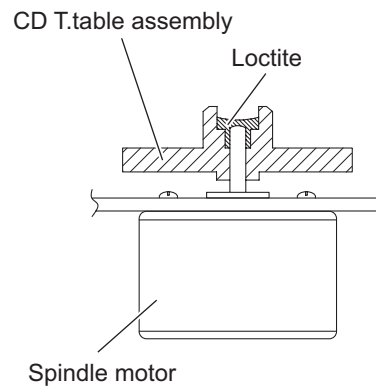


Fig.24

SECTION 4 ADJUSTMENT

4.1 Adjustment method

■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
EXTGS004-26PL x 1

■Standard volume position

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

■How to connect the extension cable for adjusting

Caution:

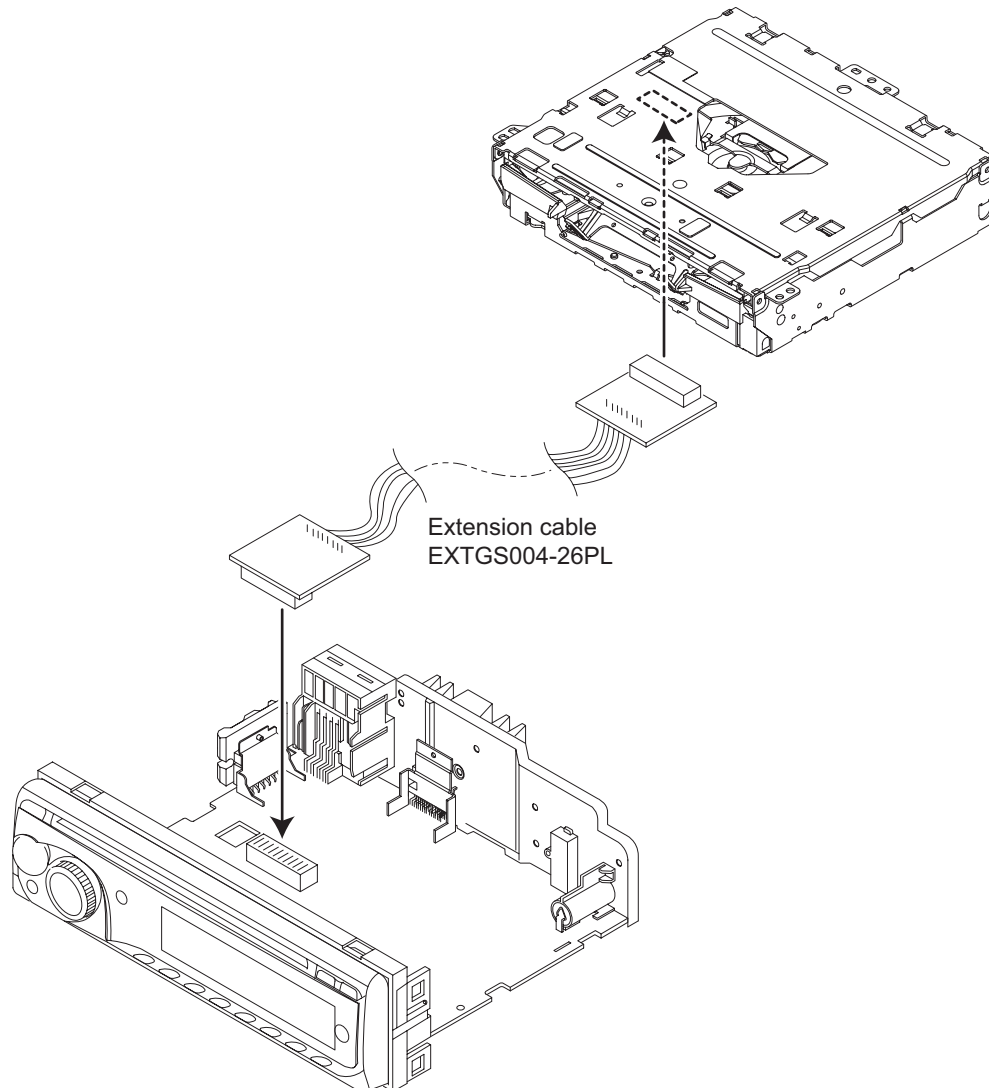
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power.
If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

■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)

■Dummy load

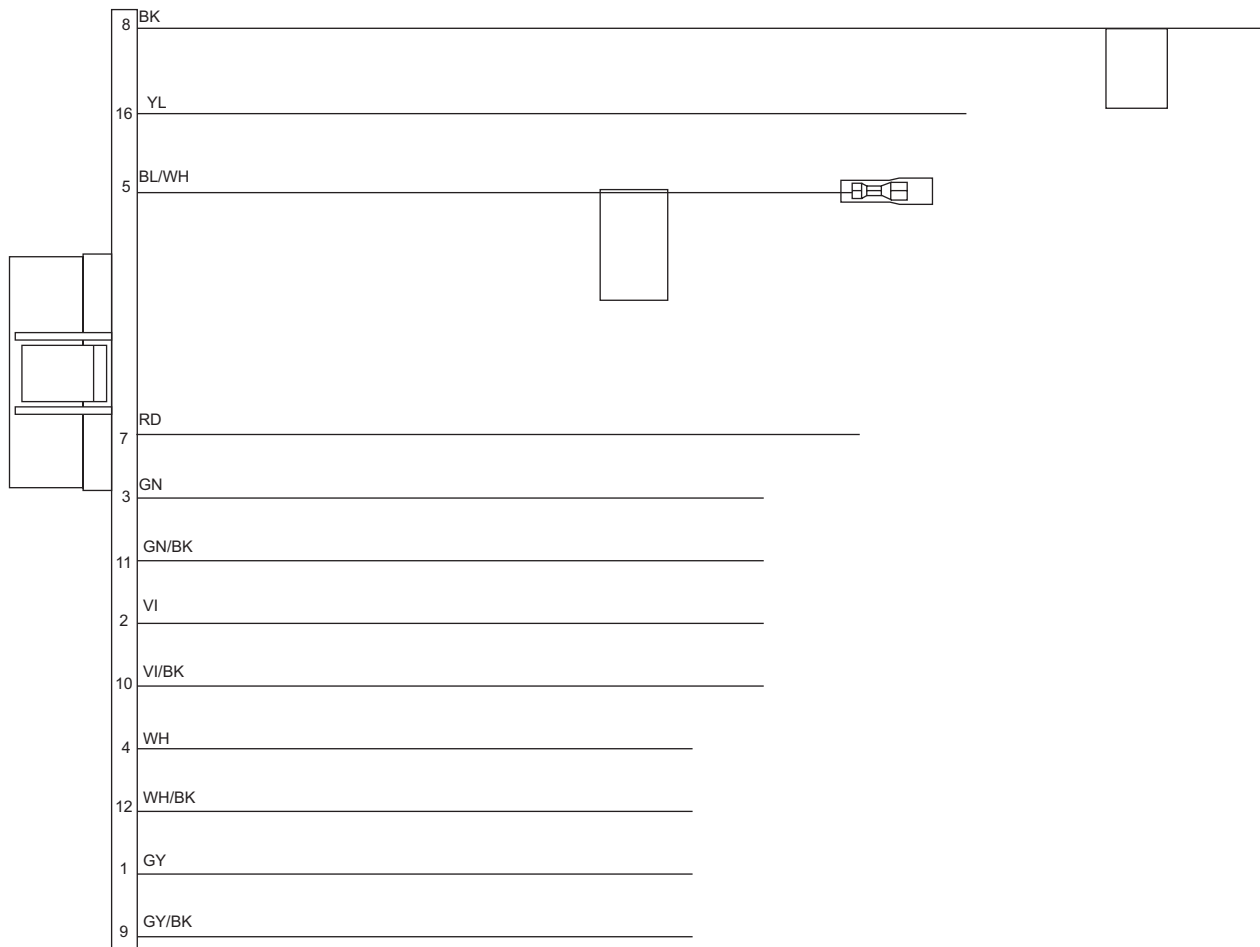
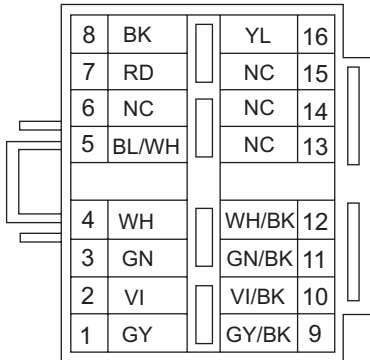
Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.



SECTION 5 TROUBLESHOOTING

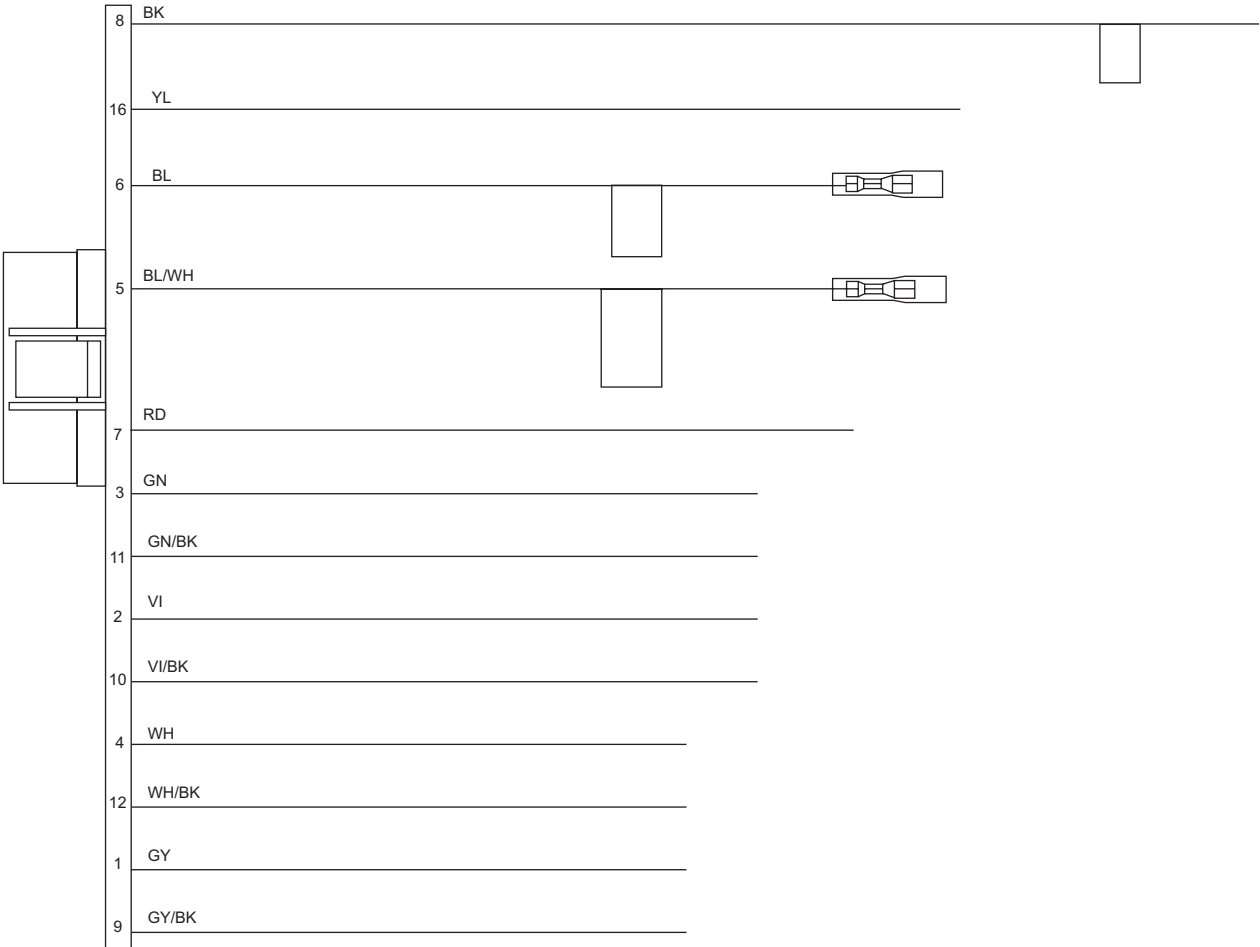
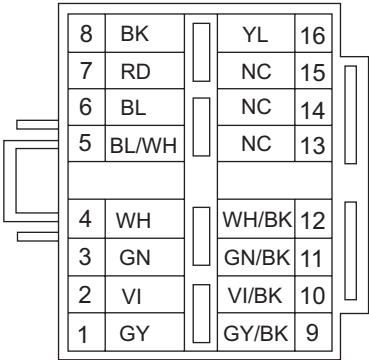
5.1 16 PIN CORD DIAGRAM (for KD-G140, KD-G240, KD-S15)

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

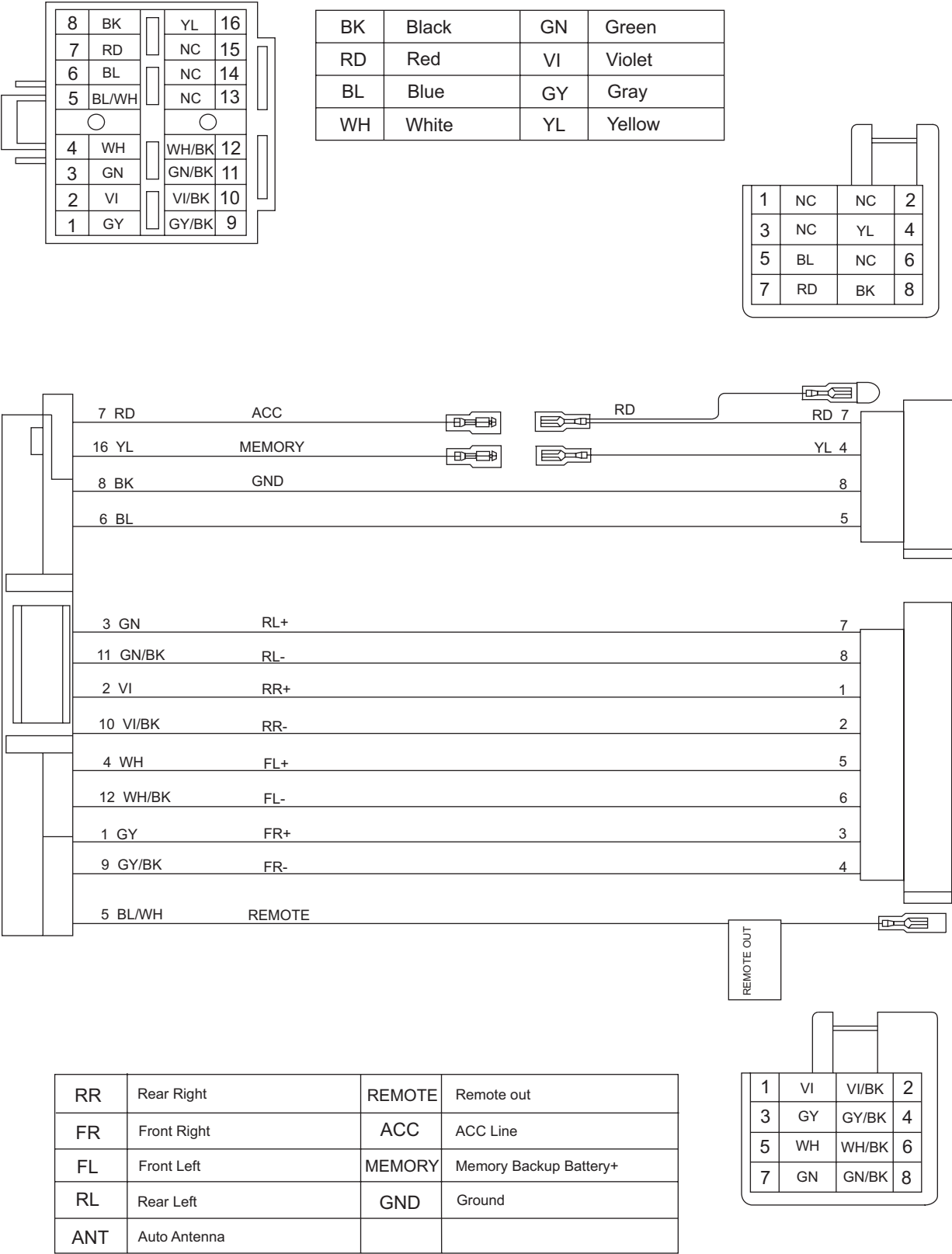


5.2 16 PIN CORD DIAGRAM (for Asia except KD-G248UF, KD-G398UF)

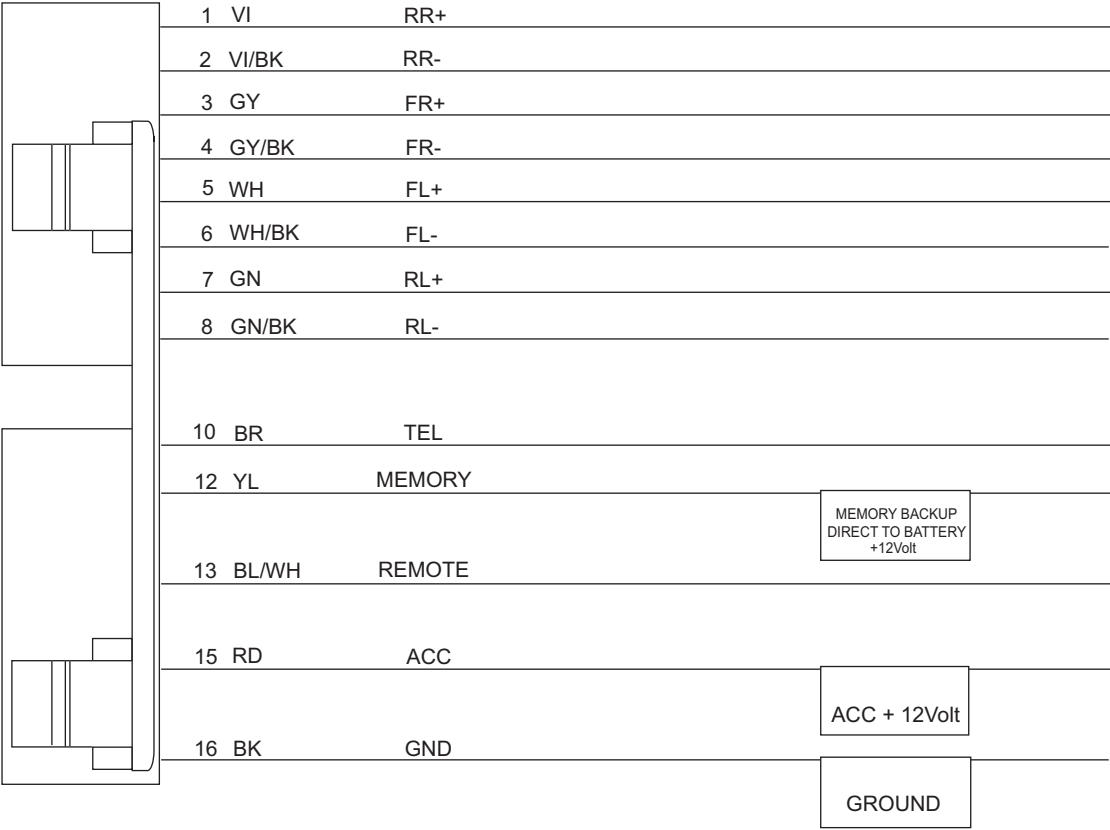
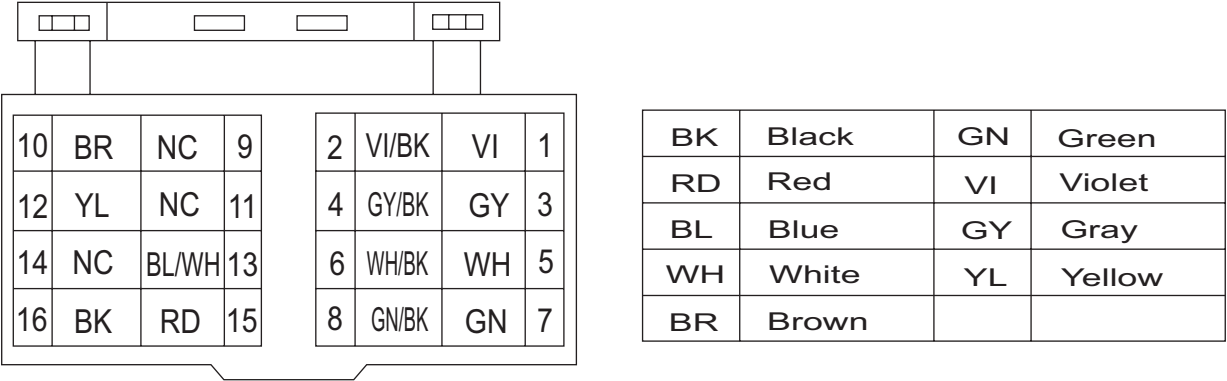
BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow



5.3 16 PIN CORD DIAGRAM (for KD-G248UF, KD-G398UF)

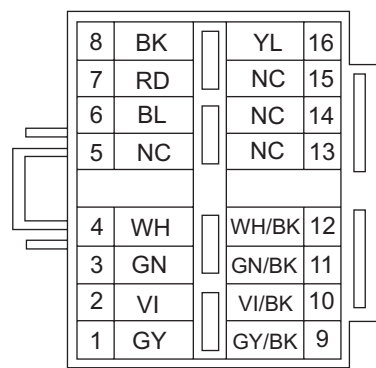


5.4 16 PIN CORD DIAGRAM (for Europe)

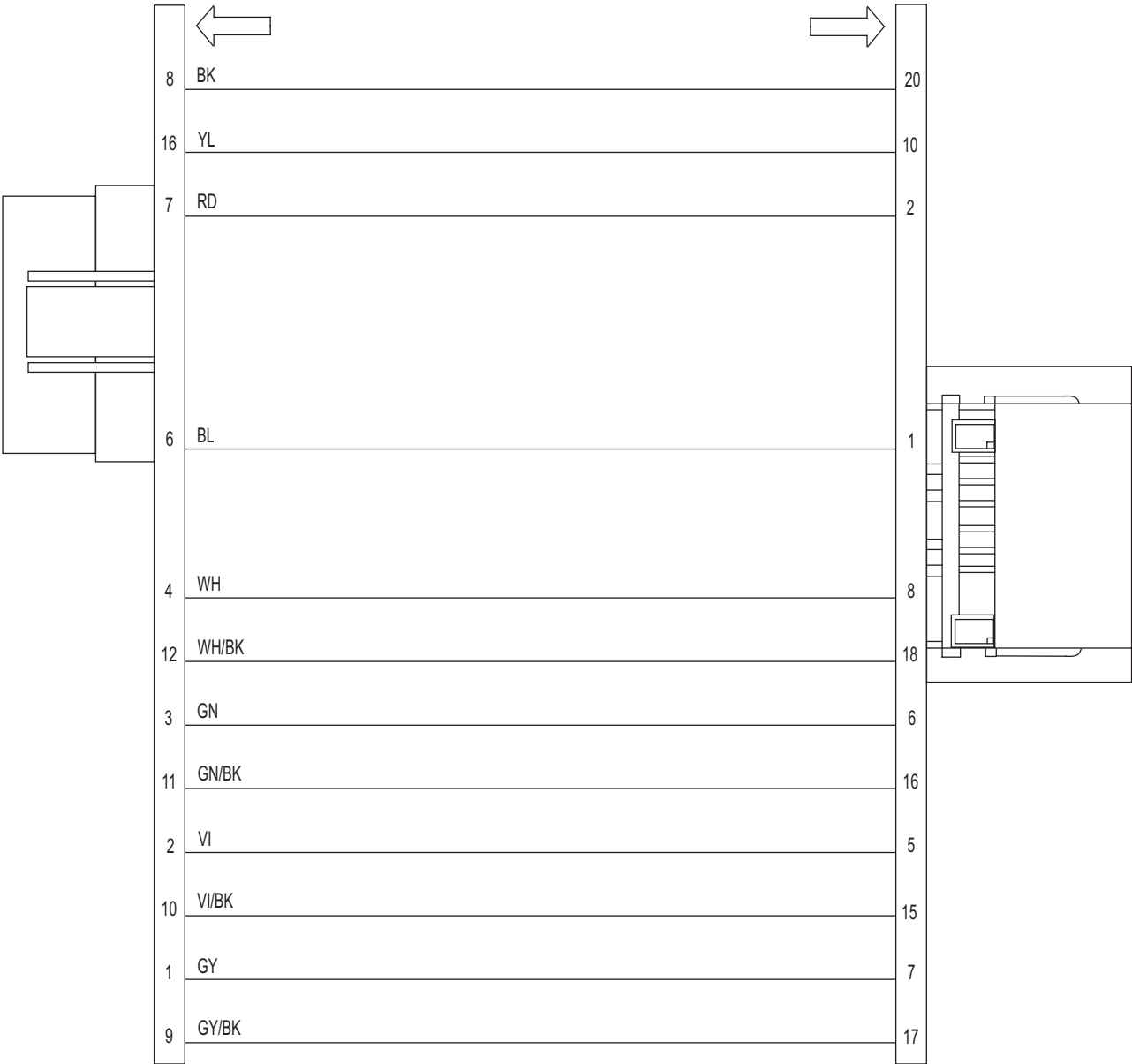
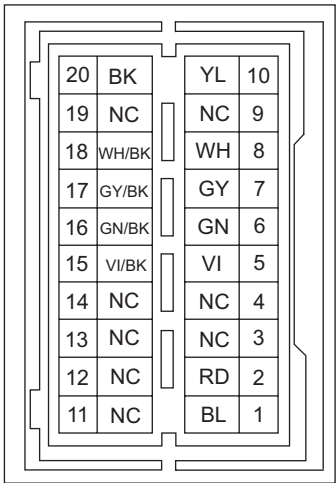


RR	Rear Right	ANT	Auto Antenna
FR	Front Right	ACC	ACC Line
FL	Front Left	TEL	Telephone Muting
RL	Rear Left	GND	Ground
REMOTE	Remote out	MEMORY	Memory Backup Battery+

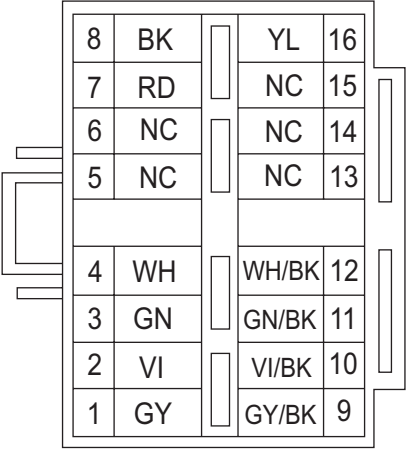
5.5 16 PIN CORD DIAGRAM (for KD-G396S)



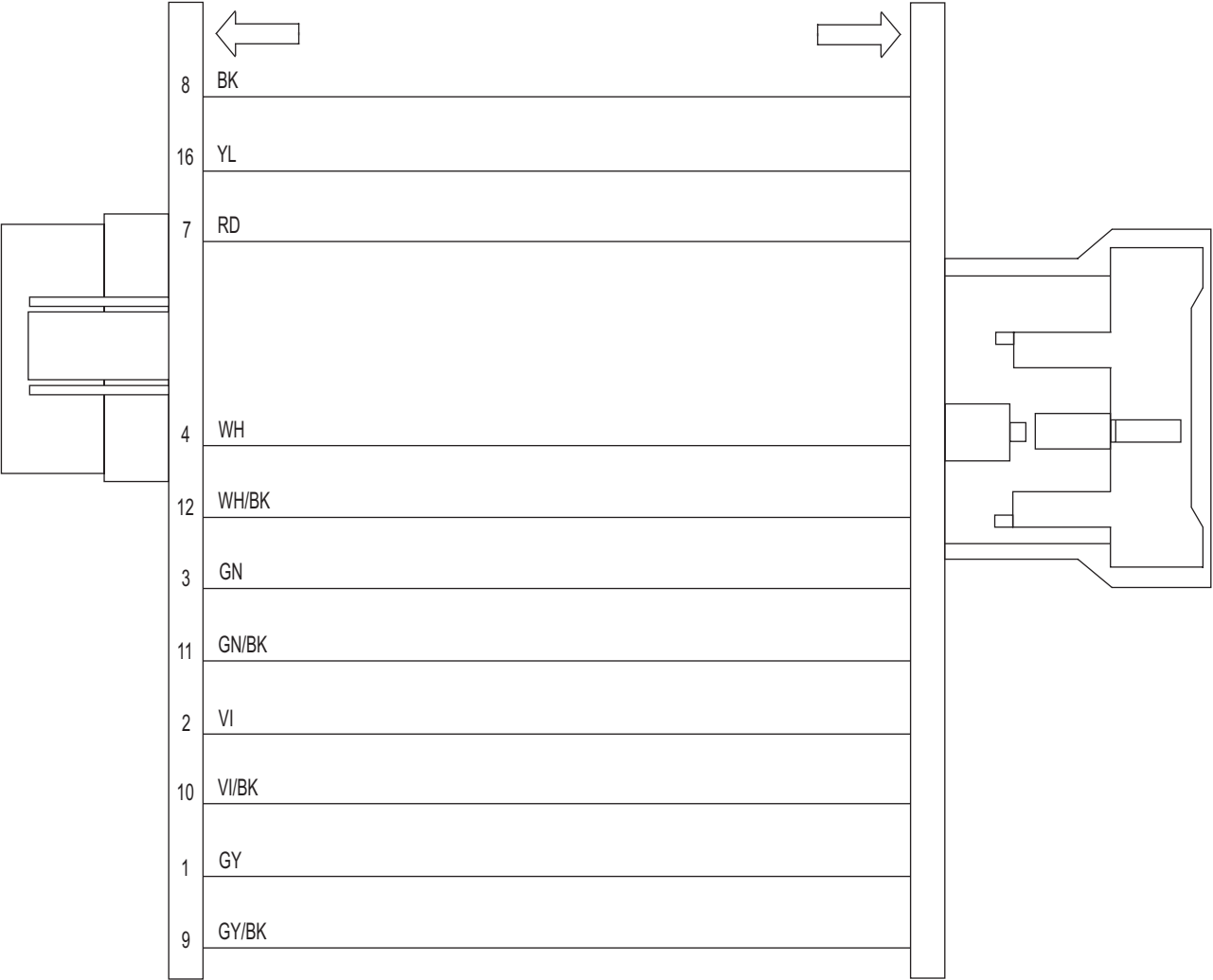
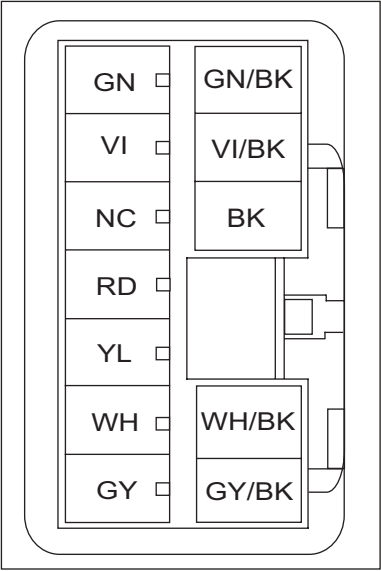
GY	Gray	BL	Blue
VI	Violet	RD	Red
GN	Green	BK	Black
WH	White	YL	Yellow



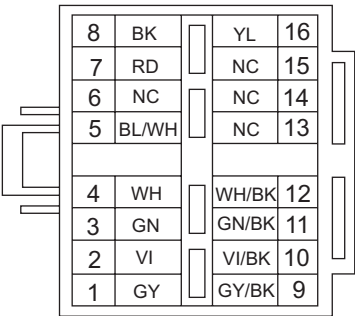
5.6 16 PIN CORD DIAGRAM (for KD-G396S)



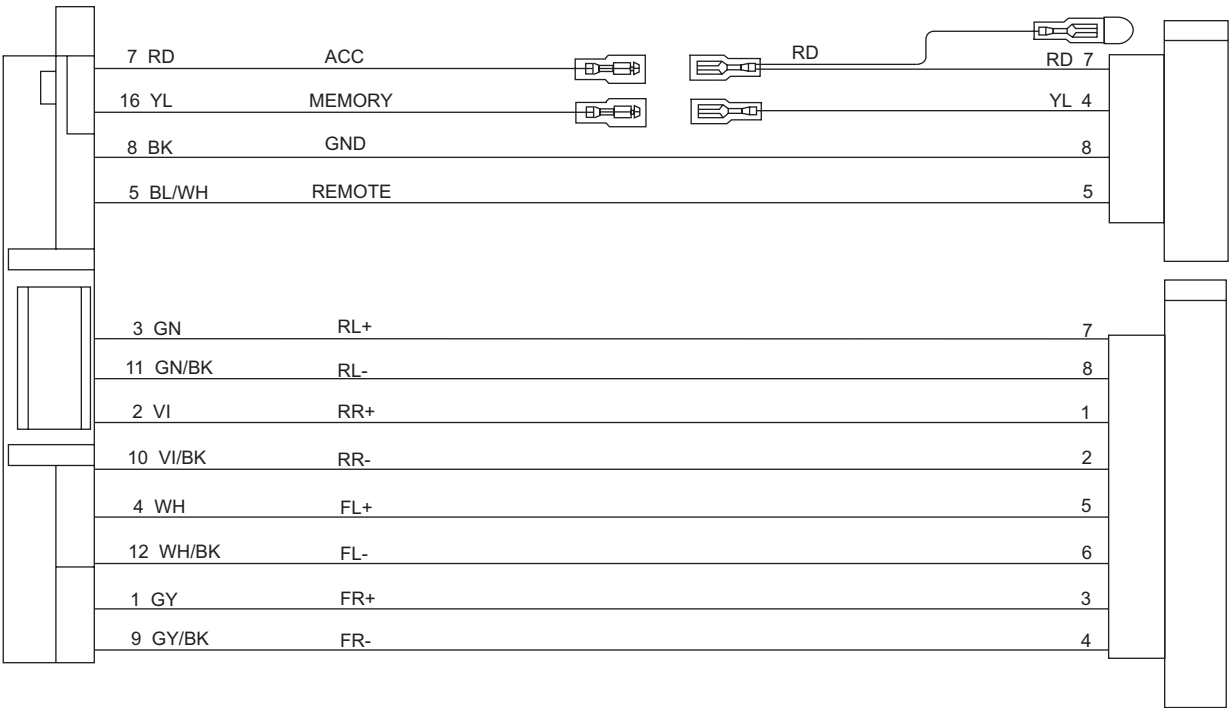
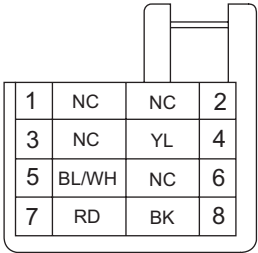
GY	Gray	RD	Red
VI	Violet	BK	Black
GN	Green	YL	Yellow
WH	White		



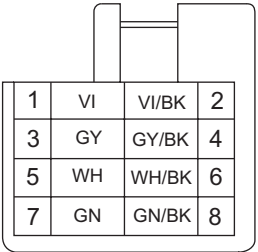
5.7 16 PIN CORD DIAGRAM (for KD-G299)



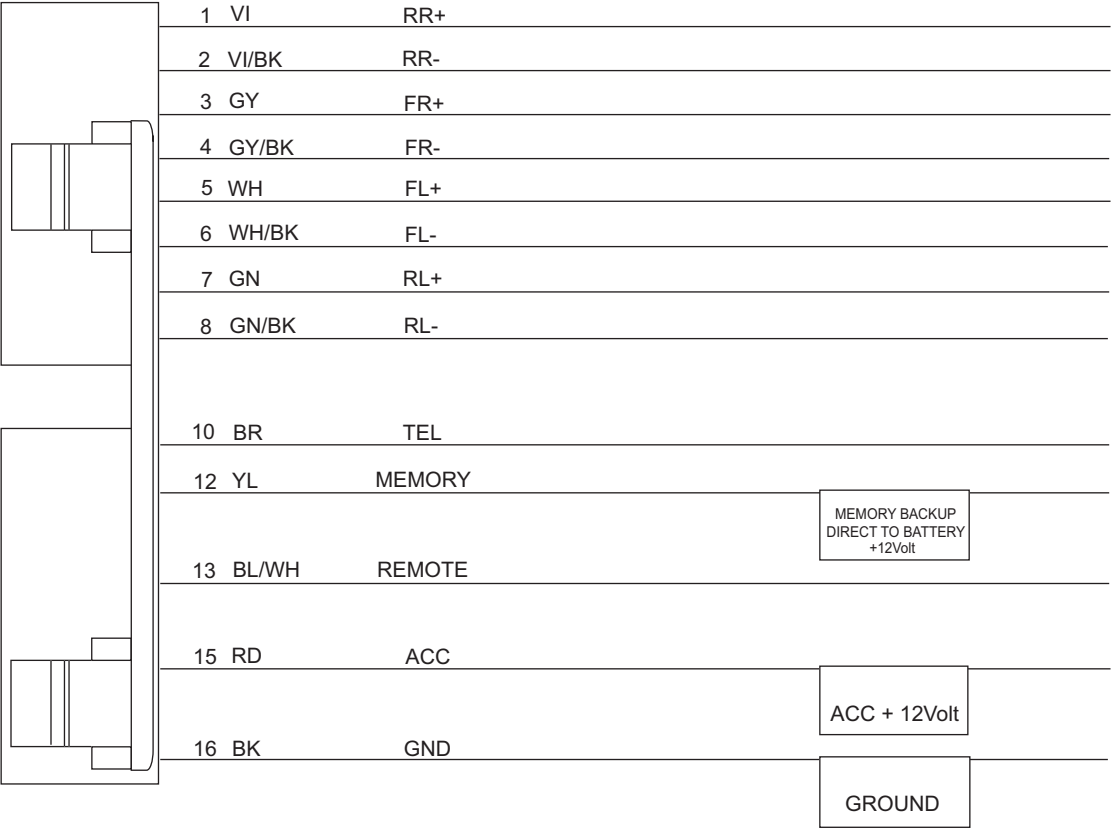
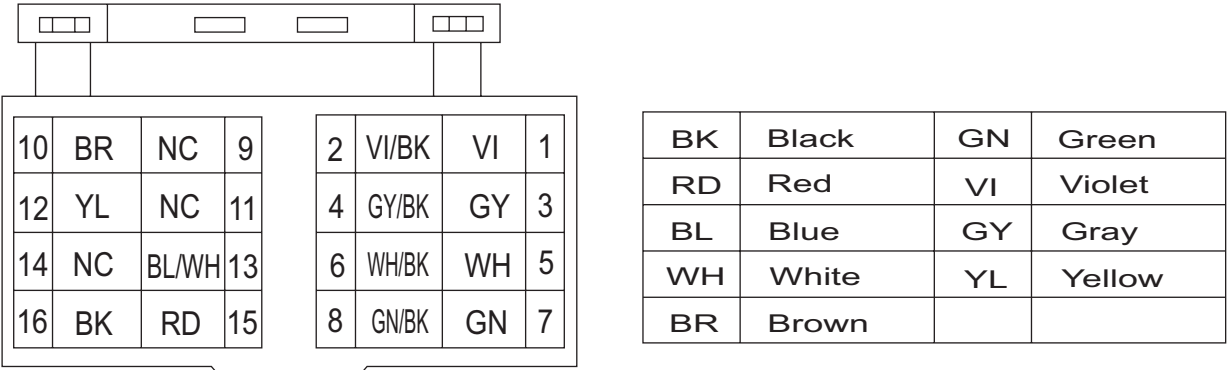
BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow



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

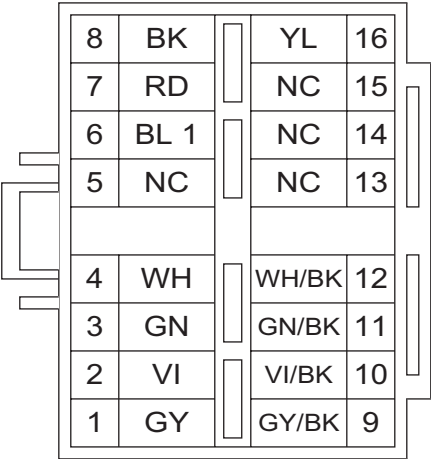


5.8 16 PIN CORD DIAGRAM (for KD-G347BEE2,KD-G347SEE2)

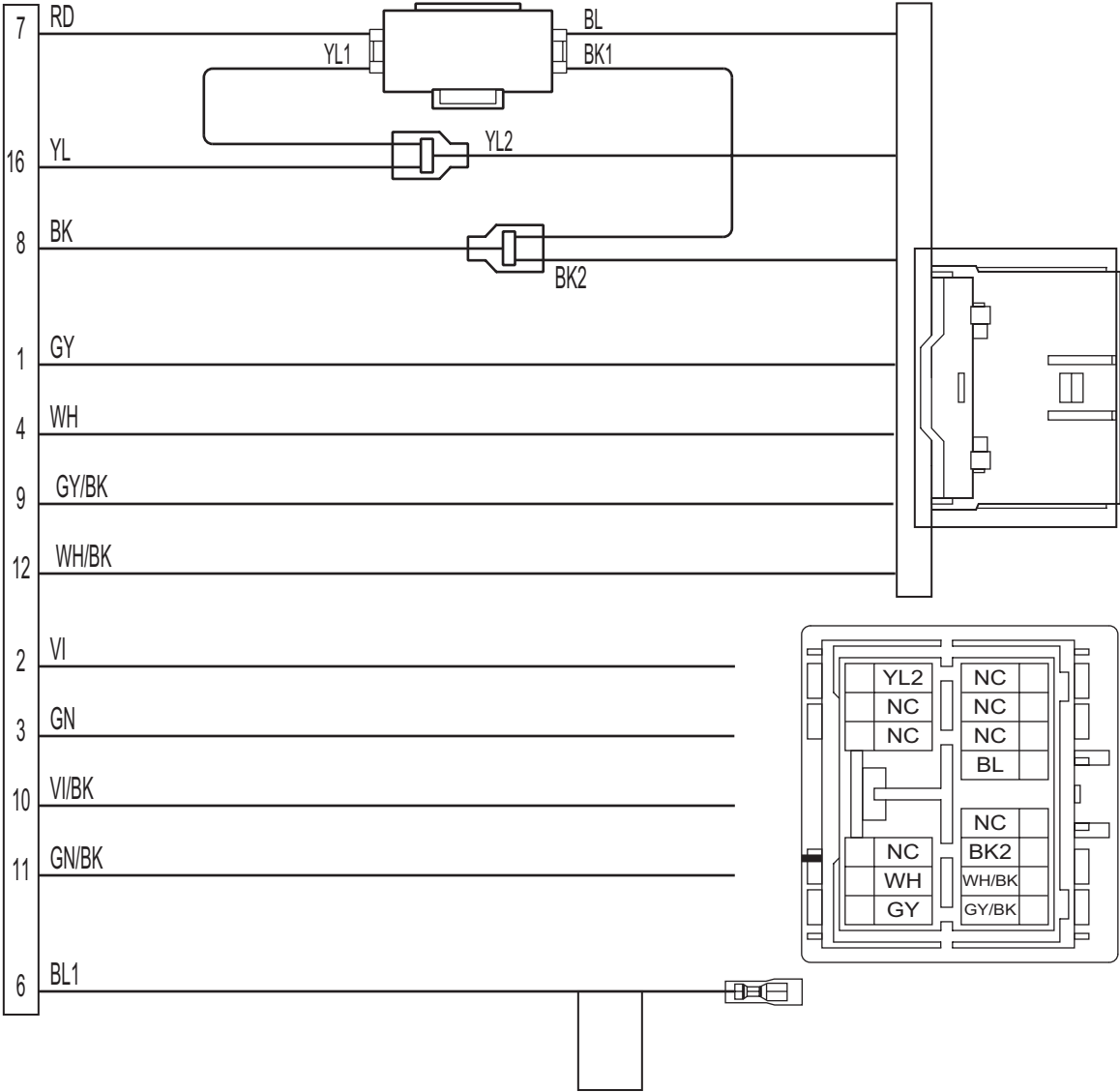


RR	Rear Right	ANT	Auto Antenna
FR	Front Right	ACC	ACC Line
FL	Front Left	TEL	Telephone Muting
RL	Rear Left	GND	Ground
REMOTE	Remote out	MEMORY	Memory Backup Battery+

5.9 16 PIN CORD DIAGRAM (for KD-G245HUN)



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





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



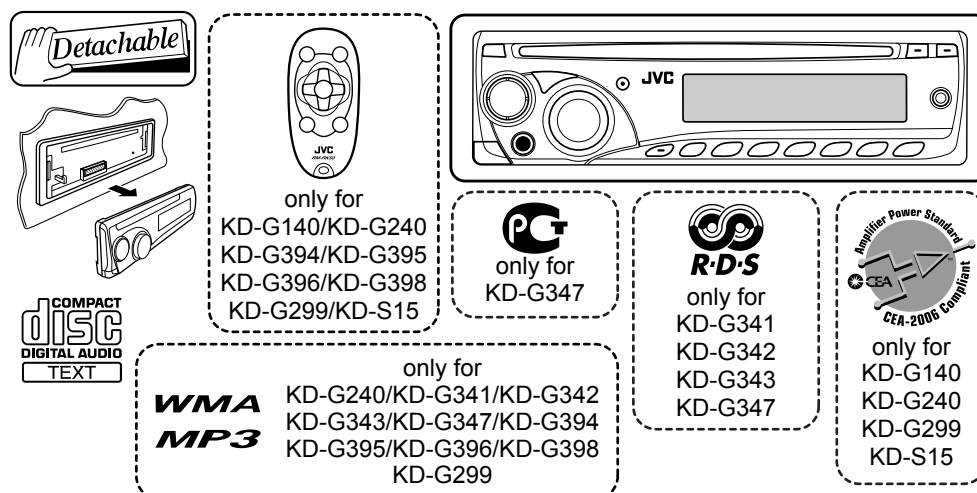
JVC

SCHEMATIC DIAGRAMS

CD RECEIVER

KD-G140J, KD-G240J, KD-G244UI, KD-G245U
KD-G245UN, KD-G245UT, KD-G245UH, KD-G248UF
KD-G341E, KD-G341EX, KD-G341EY, KD-G341EU
KD-G342E, KD-G342EX, KD-G342EY, KD-G342EU
KD-G343E, KD-G343EX, KD-G343EY, KD-G343EU
KD-G347SEE, KD-G347BEE, KD-G394UI, KD-G395U
KD-G395UN, KD-G395UT, KD-G395UH, KD-G396U
KD-G396UN, KD-G396UT, KD-G396UH, KD-G398UF
KD-G396SUI, KD-G299UR, KD-S15J, KD-G347BEE2
KD-G347SEE2, KD-G245HUN

DVD-ROM No.SML2008Q4



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

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

Contents

Block diagram	2-1
Standard schematic diagrams	2-3
Printed circuit boards	2-8

Safety precaution

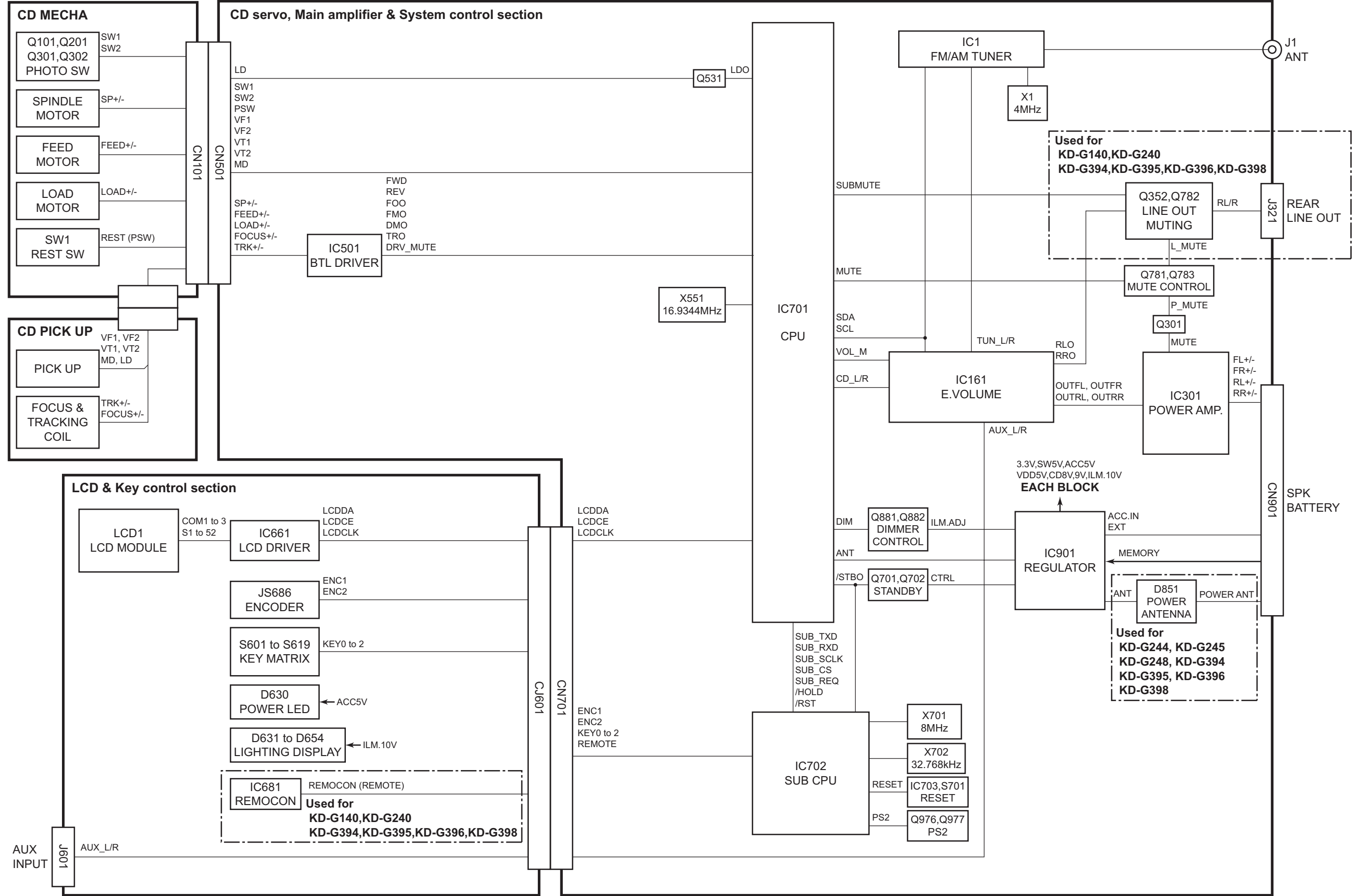


CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

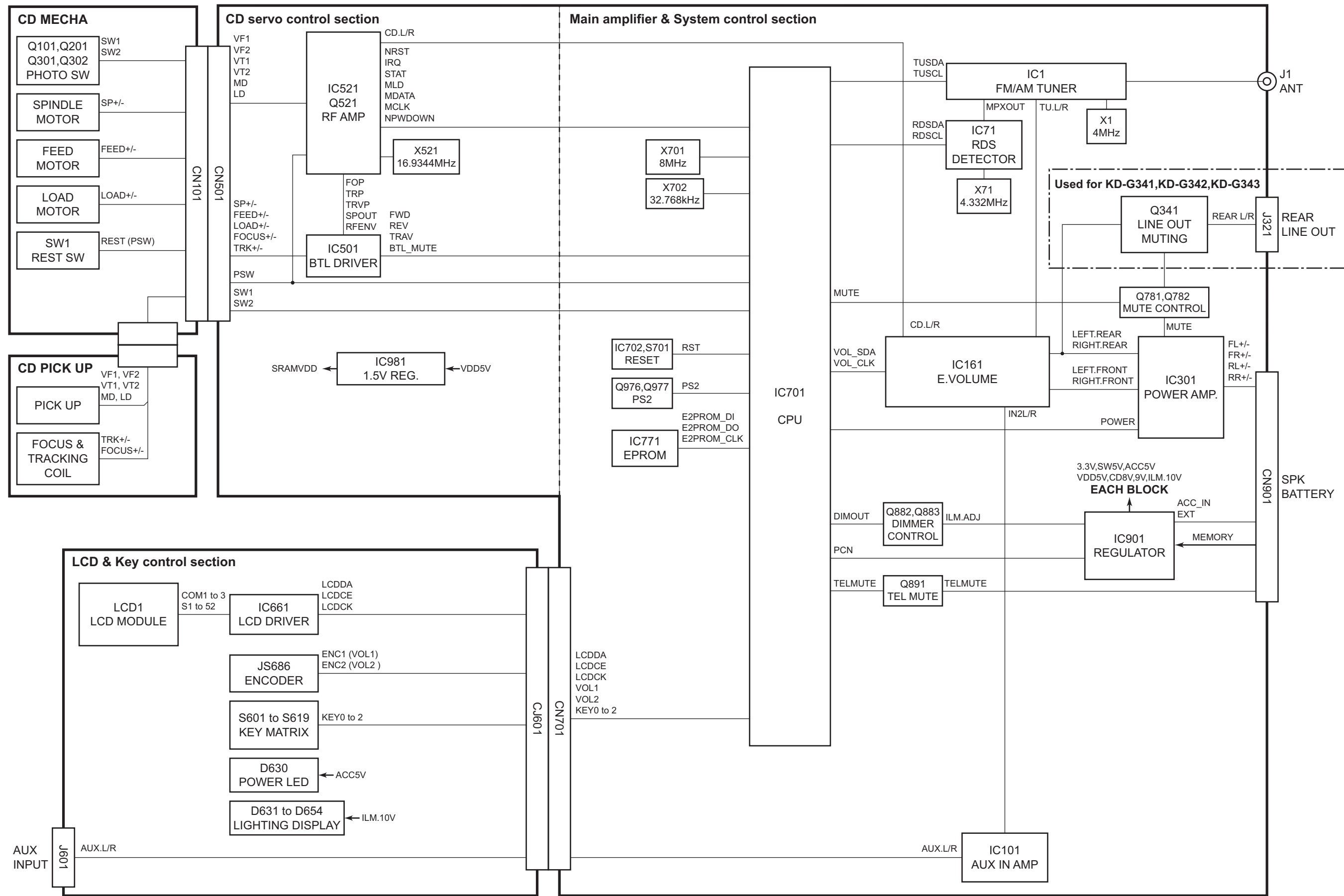


CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram (For KD-G140,KD-G240,KD-G244,KD-G245,KD-G248,KD-G394,KD-G395,KD-G396 and KD-G398)

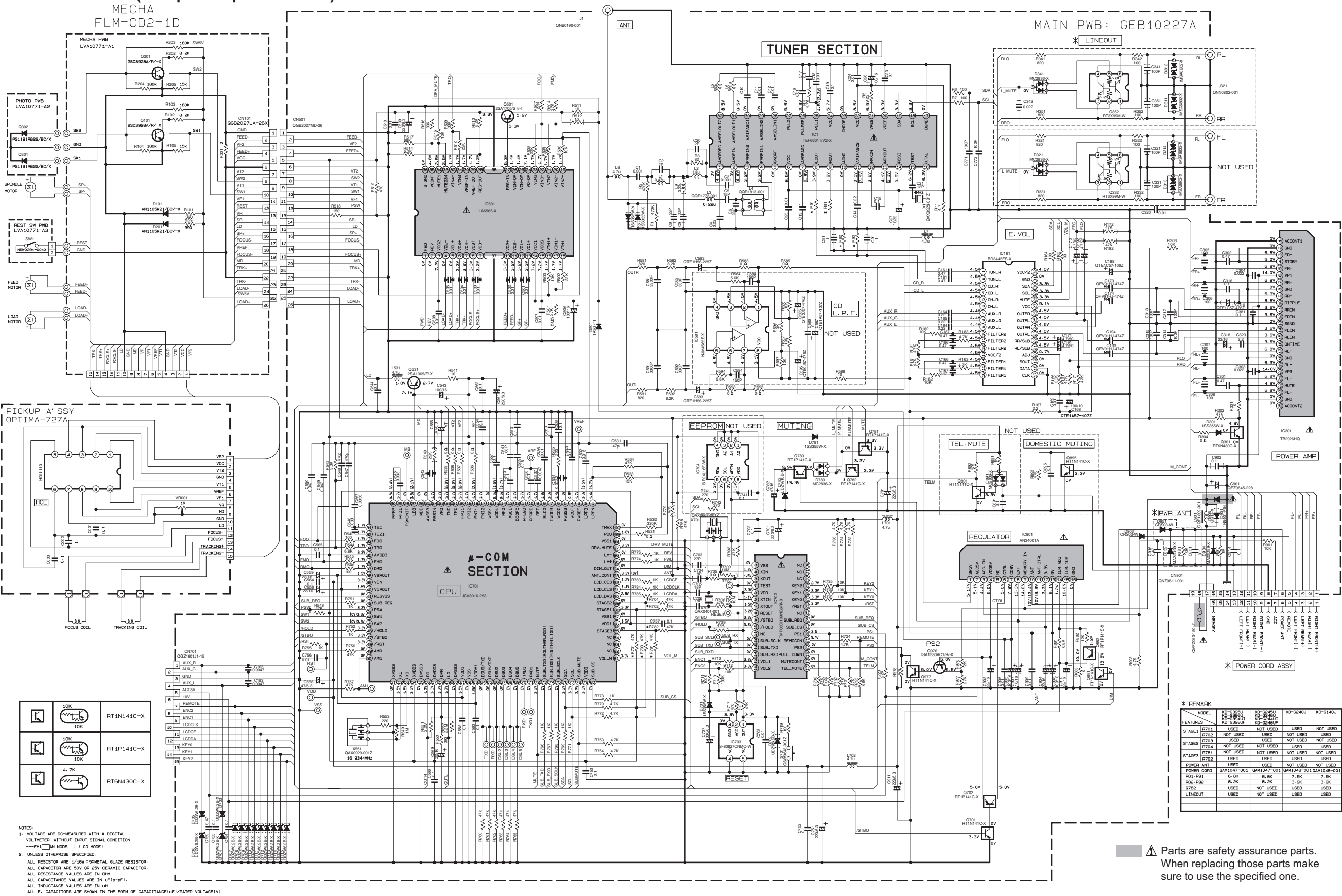


Block diagram (For KD-G341,KD-G342,KD-G343,KD-G347S and KD-G347B)

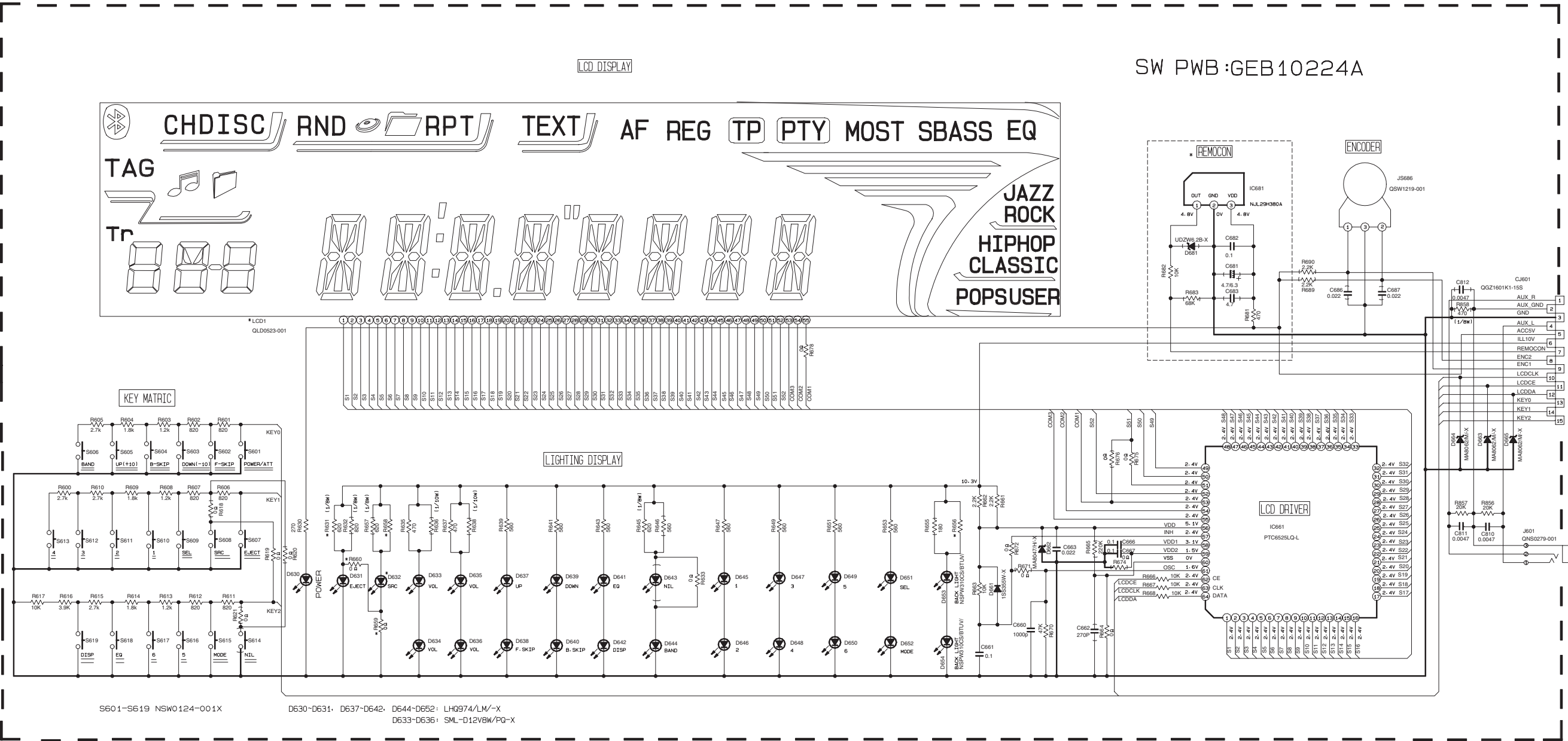


Standard schematic diagrams

■ Main section (except European version)



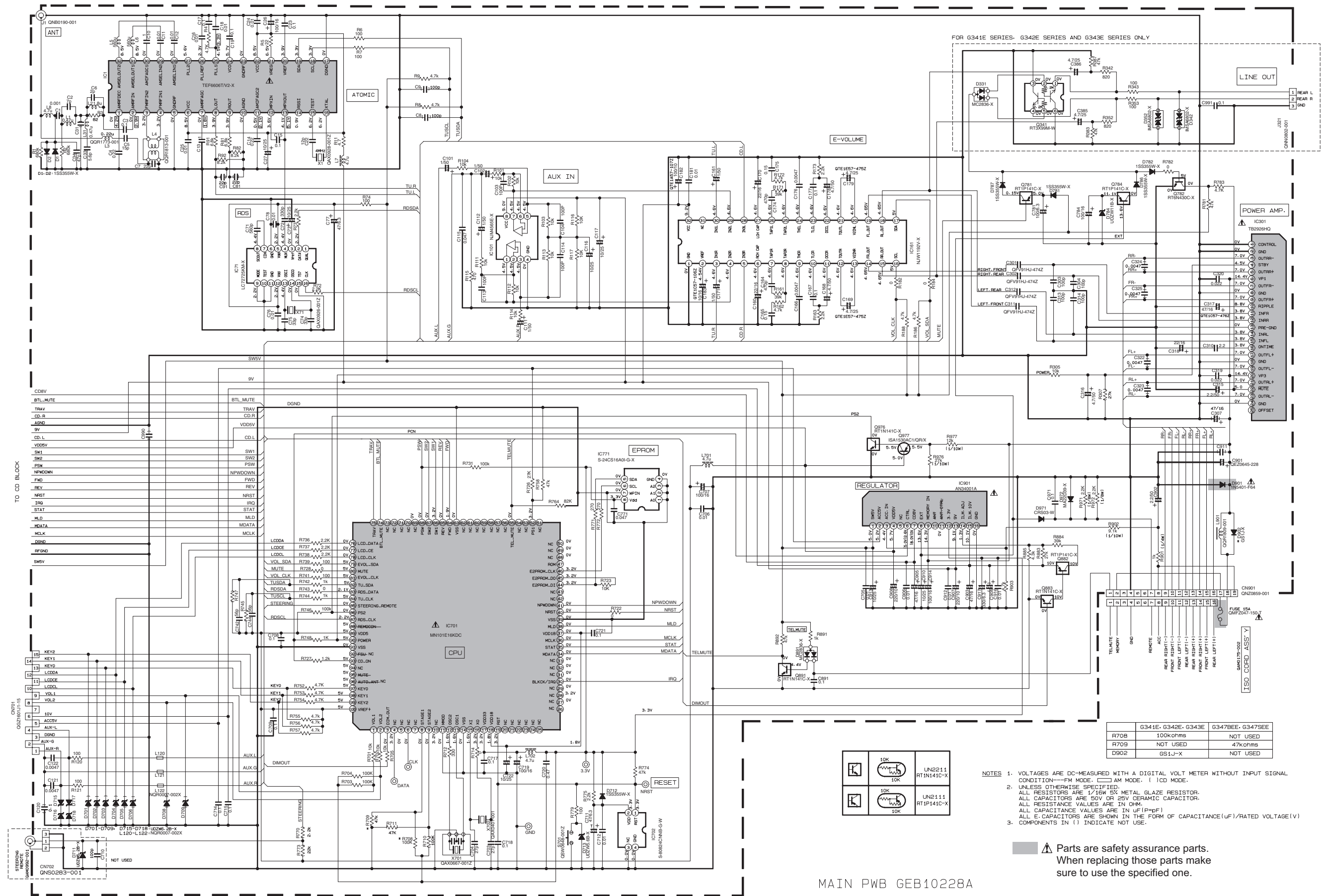
■ LCD & Key control section (except European version)



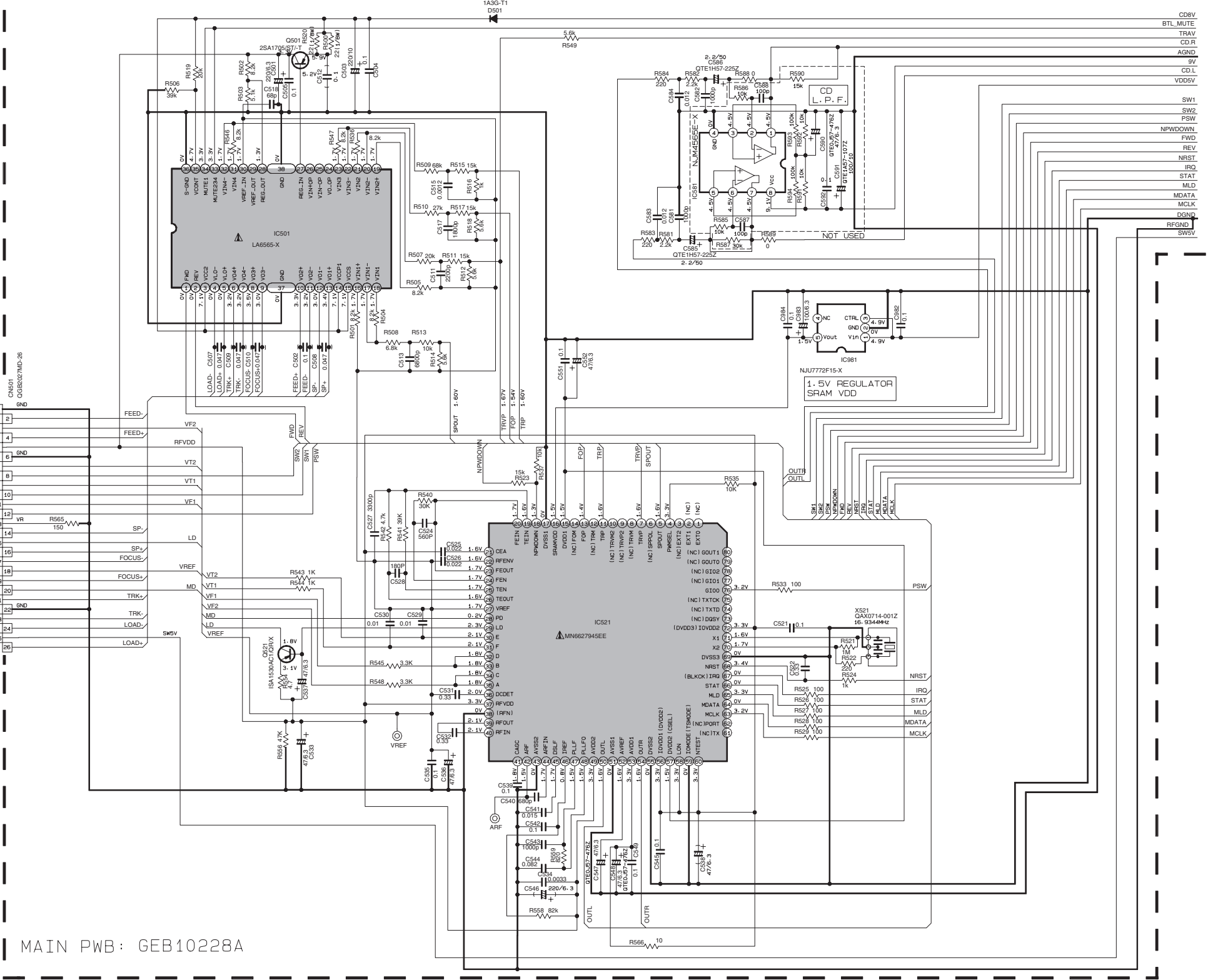
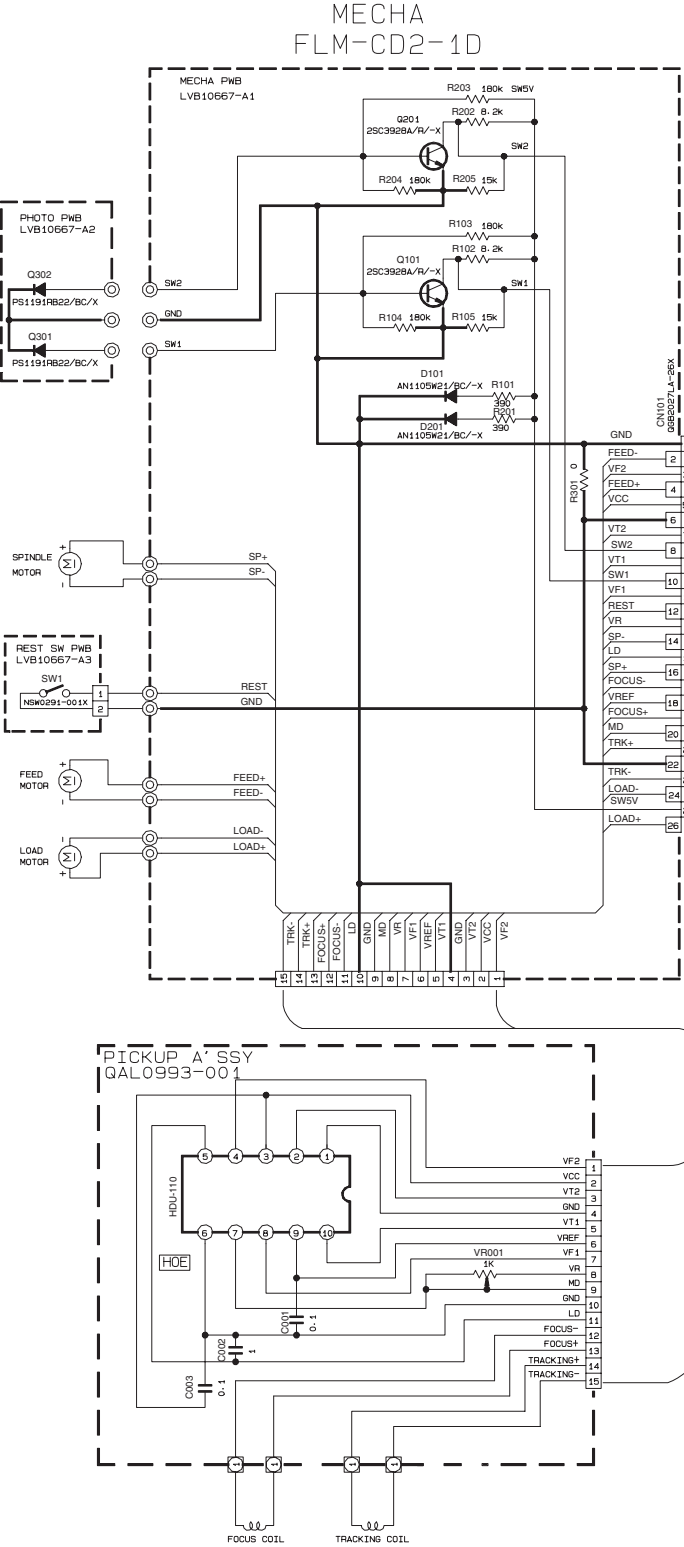
* REMARKS					
LED BRIGHTNESS	D632	NECBB205/WPGR/X	NECBB205/WPGR/X	LH974/LM/-X	LH974/LM/-X
	R658	1.3K	1.3K	560	560
	R659	IN USE	IN USE	NOT IN USE	NOT IN USE
	R660	NOT IN USE	NOT IN USE	IN USE	IN USE
	R631	IN USE	IN USE	NOT IN USE	NOT IN USE
REMOCON		IN USE	IN USE	NOT IN USE	NOT IN USE
	LCD	GLD0523-001	GLD0530-001	GLD0523-001	GLD0523-001

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 - 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(pF)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTAL CAPACITOR.
 - COMPONENTS IN () INDICATE NOT USE.

■ Main section (for European version)



■ CD section (for European version)



*REMARKS		KD-G341E	KD-G342E KD-G343E KD-G347BEI KD-G347SEI
LED BRIGHTNESS	D631~D642 D644~D652	LNJ3080B1/1~3/X	LS9271/KL/-
	R635, R637	390 ㎖	430 ㎖
	R639, R641, R647 R649, R651, R653	430 ㎖	510 ㎖
	R643, R658	390 ㎖	510 ㎖

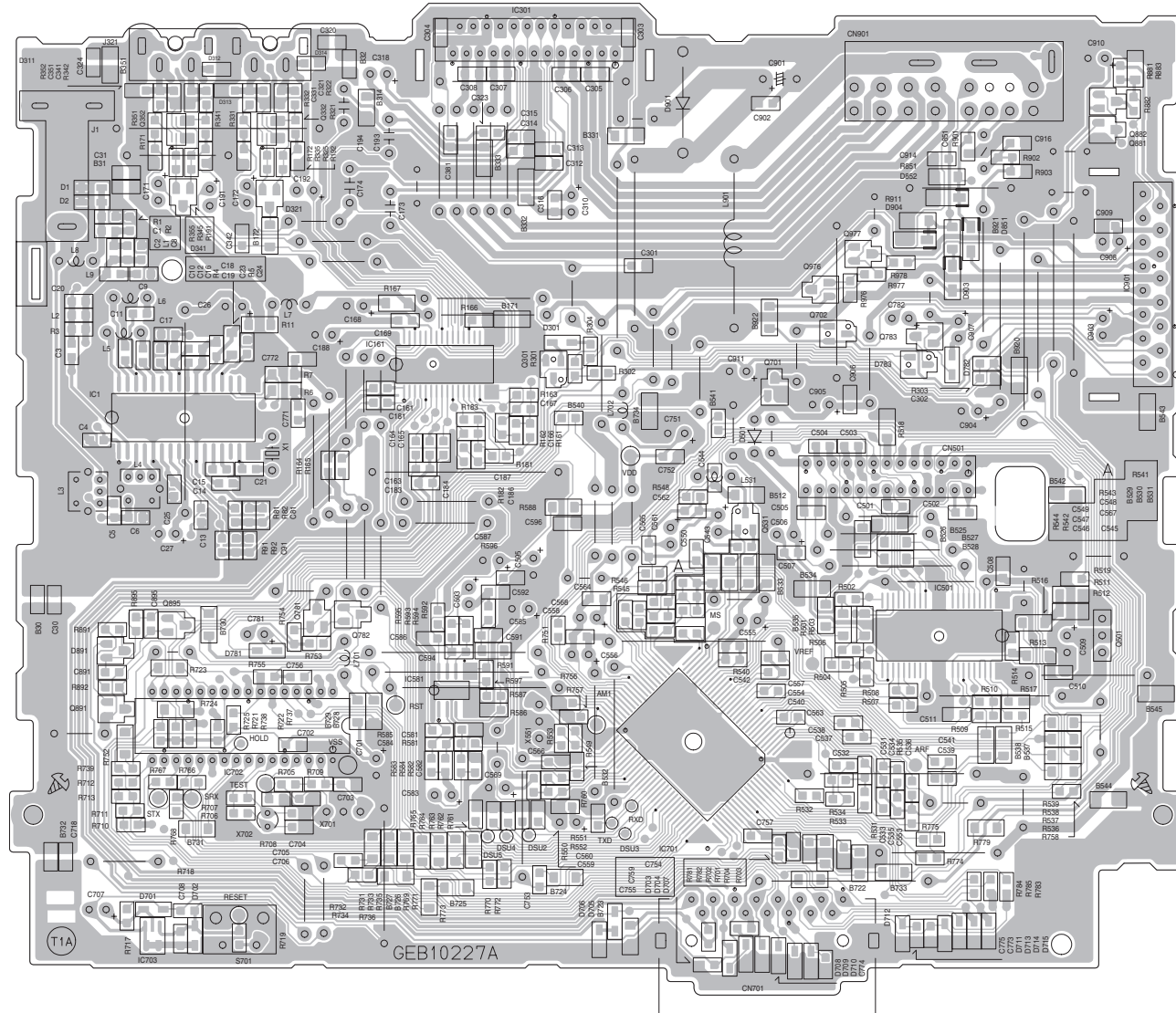
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W $\pm 5\%$ METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μF (P=P)
ALL E. CAPACITORS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

Printed circuit boards

■ Main board (except European version)

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

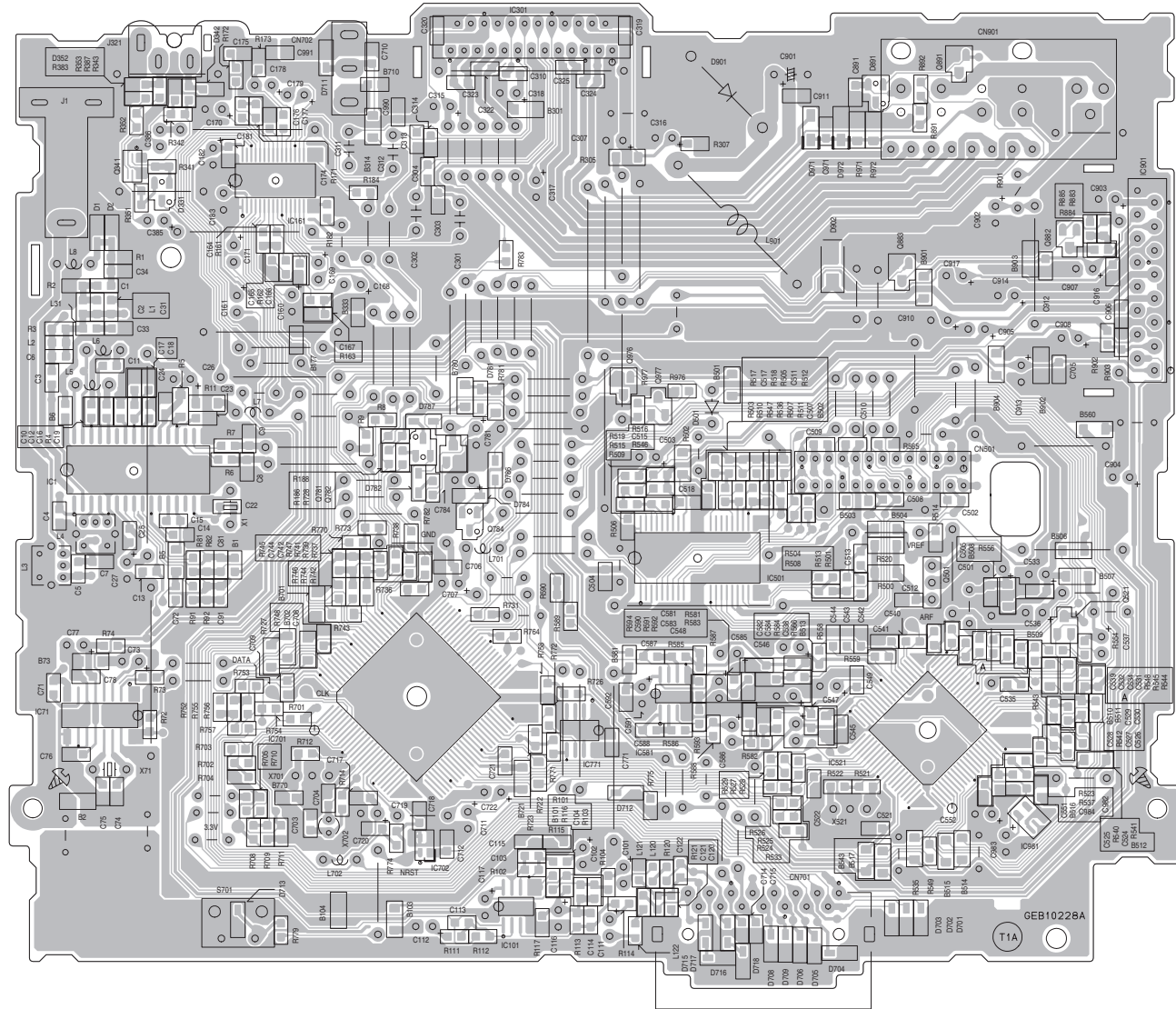
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



■ Main board (for European version)

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

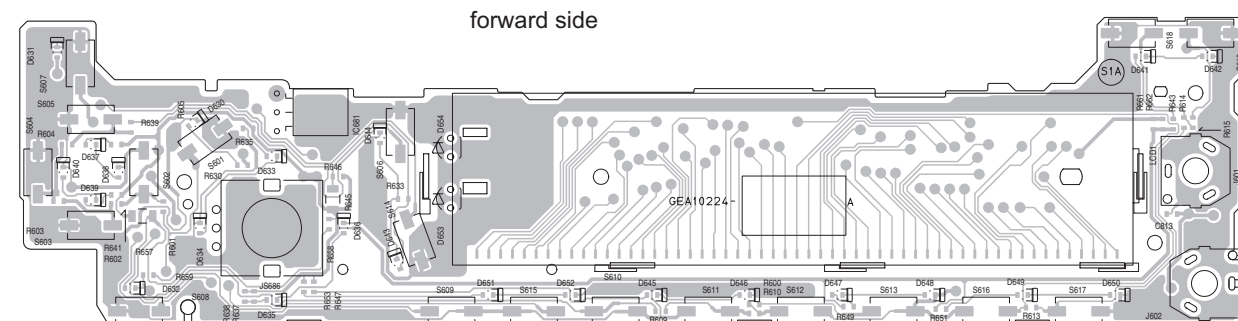
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



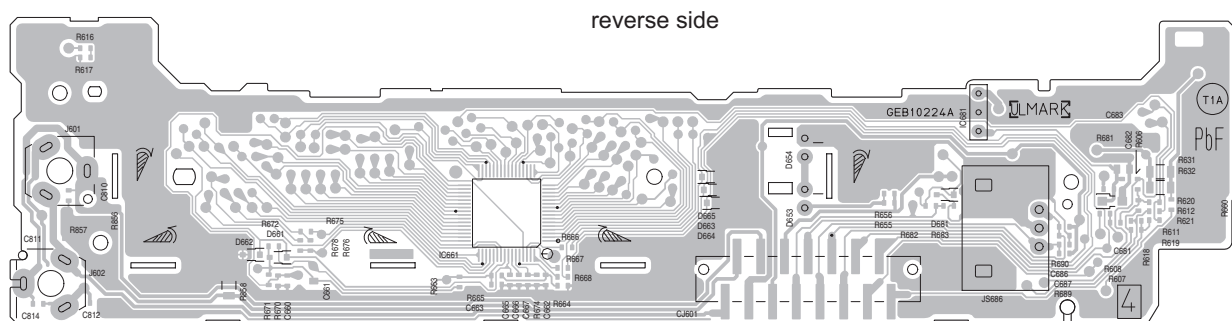
■ Switch board (common use)

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

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



forward side



reverse side

< MEMO >



Victor Company of Japan, Limited

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

(No.MA372SCH<Rev.004>)



Printed in Japan
VPT

PARTS LIST

KD-G140J,KD-G240J,KD-G244UI
 KD-G245U,KD-G245UN,KD-G245UT
 KD-G245UH,KD-G248UF,KD-G341E
 KD-G341EX,KD-G341EY,KD-G341EU
 KD-G342E,KD-G342EX,KD-G342EY
 KD-G342EU,KD-G343E,KD-G343EX
 KD-G343EY,KD-G343EU,KD-G347SEE
 KD-G347BEE,KD-G394UI,KD-G395U
 KD-G395UN,KD-G395UT,KD-G395UH
 KD-G396U,KD-G396UN,KD-G396UT
 KD-G396UH,KD-G398UF,KD-G396SUI
 KD-G299UR,KD-S15J,KD-G347BEE2,
 KD-G347SEE2,KD-G245HUN

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

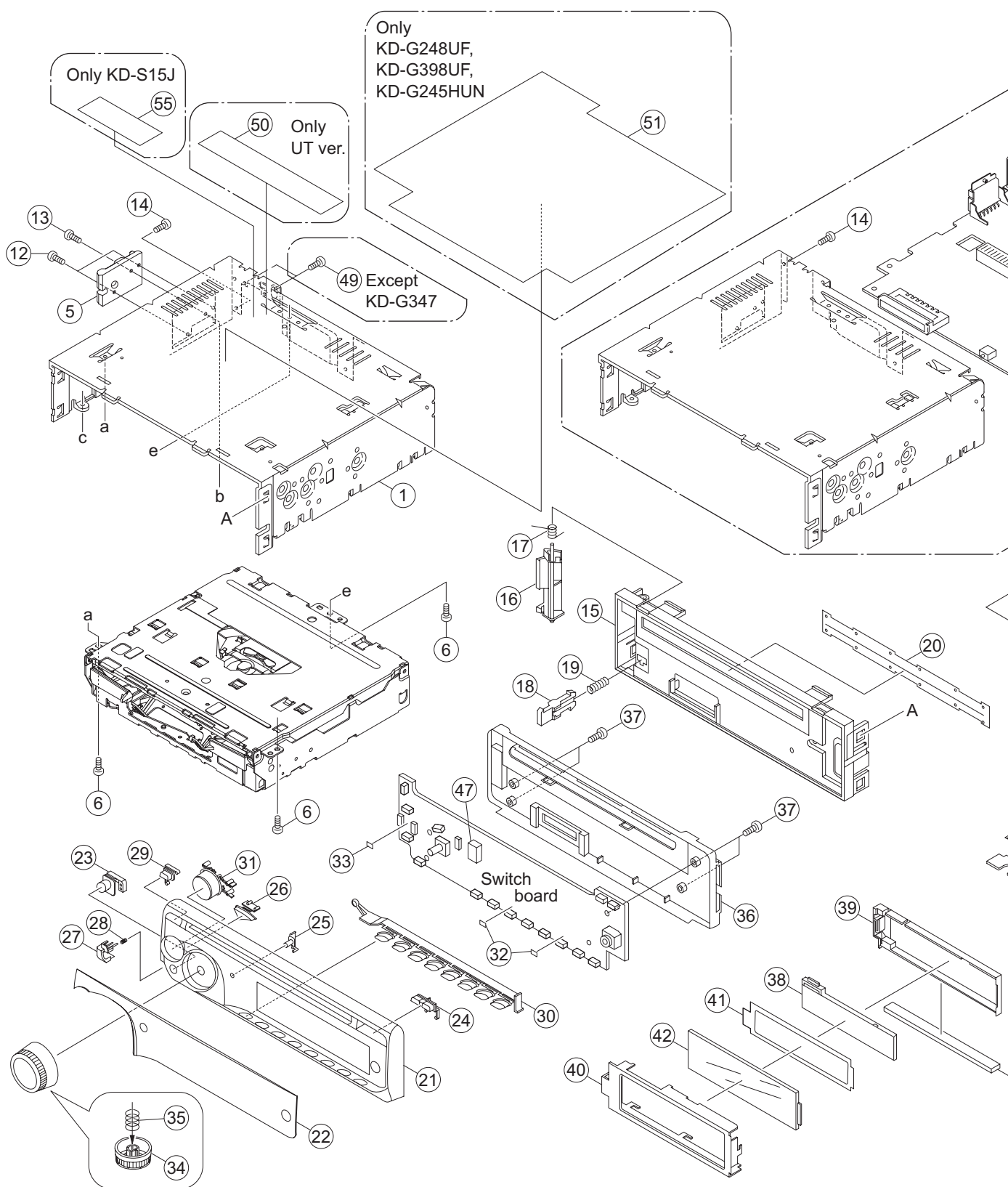
- Contents -

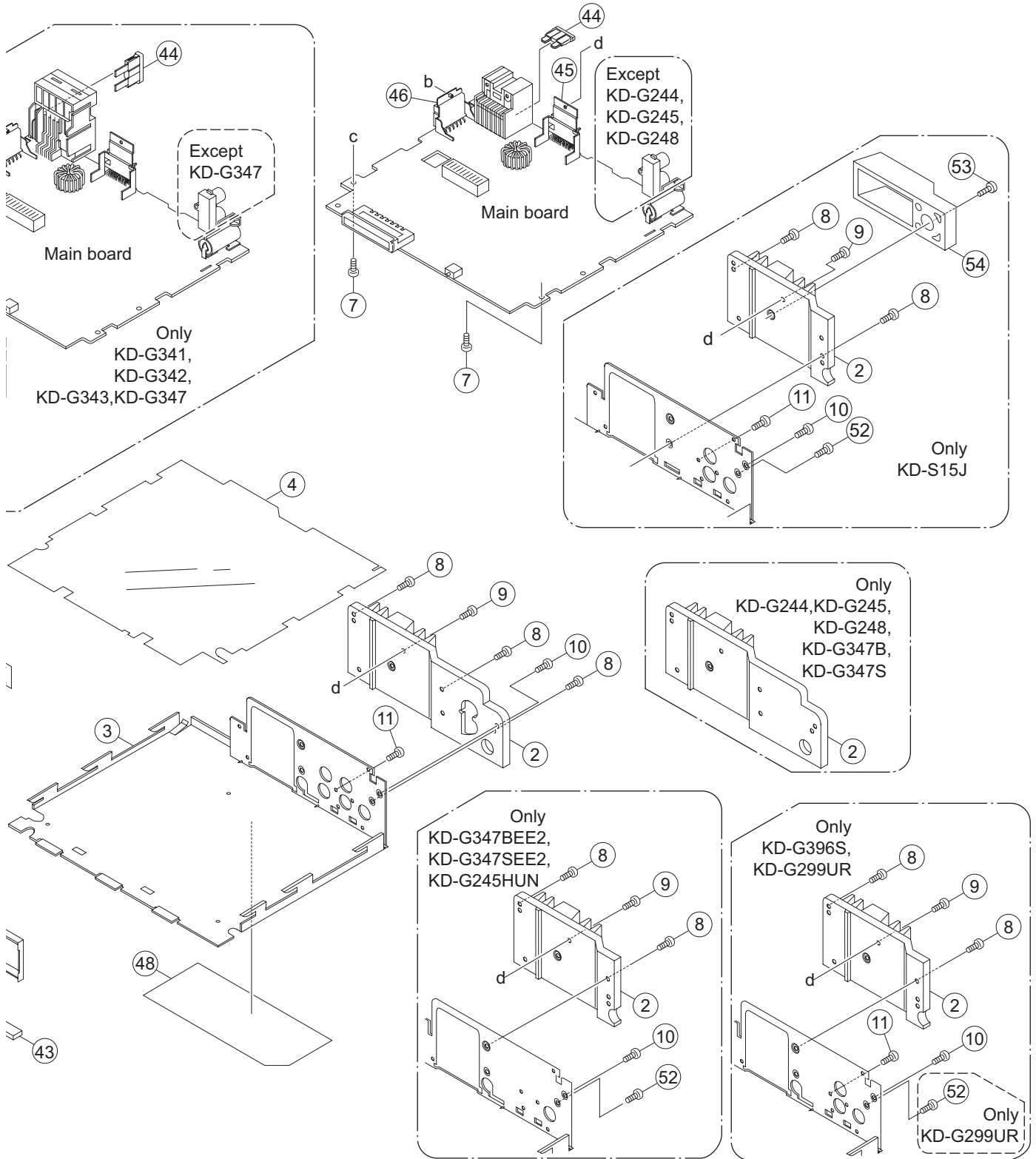
Exploded view of general assembly and parts list (Block No.M1)	3- 2
CD mechanism assembly and parts list (Block No.MB)	3- 8
Electrical parts list (Block No.01~05)	3-10
Packing materials and accessories parts list (Block No.M3)	3-32

Exploded view of general assembly and parts list

Block No.

M	1	M	M
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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	GE10216-002A	TOP CHASSIS		G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF, G299UR
1	GE10216-004A	TOP CHASSIS		G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE
1	GE10216-009A	TOP CHASSIS		G396SUI, S15J, G245HUN
1	GE10216-010A	TOP CHASSIS		G347BEE2, G347SEE2
2	GE32823-002A	HEAT SINK		G140J, G240J, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF
2	GE32823-006A	HEAT SINK		G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G347SEE, G347BEE
2	GE33234-001A	HEAT SINK		G396SUI, G299UR, S15J, G347BEE2, G347SEE2, G245HUN
3	GE20228-001A	BOTTOM COVER		G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF
3	GE20232-002A	BOTTOM COVER		G396SUI, G299UR, S15J
3	GE20232-003A	BOTTOM COVER		G347BEE2, G347SEE2, G245HUN
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)	G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF
8	GE40377-001A	SCREW	(x2)	G396SUI, G299UR, S15J, G347BEE2, G347SEE2, G245HUN
9	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	
10	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF
10	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	G396SUI, G299UR, S15J, G347BEE2, G347SEE2, G245HUN
11	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm	G140J, G240J, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF
12	GE40377-002A	SCREW	(x2)	
13	QYSDST2608ZA	TAP SCREW	M2.6 x 8mm	
14	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
15	GE10215-001A	FRONT CHASSIS		
16	GE32350-002A	LOCK LEVER		
17	GE40368-002A	TORSION SPRING		
18	GE32810-001A	RELEASE LEVER		
19	GE30999-004A	COMP.SPRING		
20	GE40400-001A	BLIND		
21	GE32865-004A	F.PANEL LO ASSY		G140J, G244UI, G245U, G245UN, G245UT, G245UH, S15J, G245HUN
21	GE32865-001A	F.PANEL LO ASSY		G240J, G342E, G342EX, G342EY, G342EU, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, G299UR
21	GE32865-003A	F.PANEL LO ASSY		G248UF, G347BEE, G347BEE2
21	GE32865-005A	F.PANEL LO ASSY		G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G394UI, G395U, G395UN, G395UT, G395UH
21	GE32865-002A	F.PANEL LO ASSY		G347SEE, G347SEE2
22	GE32867-024A	FINDER ASSY		G140J
22	GE32867-028A	FINDER ASSY		G240J
22	GE32867-009A	FINDER ASSY		G244UI
22	GE32867-023A	FINDER ASSY		G245U, G245UN, G245UT, G245UH
22	GE32867-011A	FINDER ASSY		G248UF
22	GE32867-027A	FINDER ASSY		G341E, G341EX, G341EY, G341EU
22	GE32867-025A	FINDER ASSY		G342E, G342EX, G342EY, G342EU
22	GE32867-020A	FINDER ASSY		G343E, G343EX, G343EY, G343EU
22	GE32867-021A	FINDER ASSY		G347SEE, G347SEE2
22	GE32867-029A	FINDER ASSY		G347BEE, G347BEE2
22	GE32867-007A	FINDER ASSY		G394UI
22	GE32867-022A	FINDER ASSY		G395U, G395UN, G395UT, G395UH
22	GE32867-026A	FINDER ASSY		G396U, G396UN, G396UT, G396UH, G396SUI
22	GE32867-008A	FINDER ASSY		G398UF
22	GE32867-042A	FINDER ASSY		G299UR
22	GE33245-428A	FINDER ASSY		S15J
22	GE33245-038A	FINDER ASSY		G245HUN
23	GE32812-011A	I BTN		G140J, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G396SUI, S15J
23	GE32812-008A	I BTN		G240J, G398UF, G299UR
23	GE32812-014A	I BTN		G244UI, G245U, G245UN, G245UT, G245UH, G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347SEE2
23	GE32812-013A	I BTN		G248UF, G342E, G342EX, G342EY, G342EU, G347BEE, G347BEE2
23	GE32812-022A	SRC BUTTON		G245HUN
24	GE32814-001A	BAND EQ BTN		
25	GE32815-001A	PUSH BTN		
26	GE32816-007A	POWER BTN		G140J, S15J
26	GE32816-005A	POWER BTN		G240J, G342E, G342EX, G342EY, G342EU, G398UF, G299UR

△ Symbol No.	Part No.	Part Name	Description	Local
26	GE32816-002A	POWER BTN		G244UI, G245U, G245UN, G245UT, G245UH, G396U, G396UN, G396UT, G396UH, G396SUI, G245HUN
26	GE32816-006A	POWER BTN		G248UF, G347BEE, G347BEE2
26	GE32816-001A	POWER BTN		G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G394UI, G395U, G395UN, G395UT, G395UH
26	GE32816-004A	POWER BTN		G347SEE, G347SEE2
27	GE32817-004A	DETACH BTN		G140J, G244UI, G245U, G245UN, G245UT, G245UH, S15J, G245HUN
27	GE32817-001A	DETACH BTN		G240J, G342E, G342EX, G342EY, G342EU, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, G299UR
27	GE32817-003A	DETACH BTN		G248UF, G347BEE, G347BEE2
27	GE32817-005A	DETACH BTN		G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G394UI, G395U, G395UN, G395UT, G395UH
27	GE32817-002A	DETACH BTN		G347SEE, G347SEE2
28	GE30999-006A	COMP.SPRING		
29	GE32818-001A	EJECT BTN		
30	GE20233-001A	PRESET BTN LOW		G140J, G240J, G248UF, G342E, G342EX, G342EY, G342EU, G347BEE, G396U, G396UN, G396UT, G396UH, G396SUI, G299UR, S15J, G347BEE2
30	GE20227-001A	PRESET BTN HI		G244UI, G245U, G245UN, G245UT, G245UH, G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G347SEE, G394UI, G395U, G395UN, G395UT, G395UH, G398UF, G347SEE2, G245HUN
31	GE32827-002A	NAVI BTN LOW		G140J, G244UI, G245U, G245UN, G245UT, G245UH, G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G347SEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G396SUI, G347SEE2, G245HUN
31	GE32827-001A	NAVI BTN LOW		G240J, G248UF, G398UF, G299UR, S15J
31	GE32827-003A	NAVI BTN LOW		G342E, G342EX, G342EY, G342EU
31	GE32827-004A	NAVI BTN LOW		G347BEE, G347BEE2
32	FSYH4036-069	SHEET	(x2)	
33	FSYH4036-053	SHEET		
34	GE32822-002A	VOL KNOB LOW		G140J, G244UI, G245U, G245UN, G245UT, G245UH, G341E, G341EX, G341EY, G341EU, G343E, G343EX, G343EY, G343EU, G347SEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G396SUI, G347BEE2, G347SEE2, G245HUN
34	GE32822-001A	VOL KNOB LOW		G240J, G248UF, G342E, G342EX, G342EY, G342EU, G398UF, G299UR, S15J
35	GE40127-005A	KNOB SPRING		
36	GE10214-001A	REAR COVER		
37	VKZ4777-010	MINI SCREW	(x4)	
38	GE32819-001A	LCD LENS		
39	GE32820-001A	LENS CASE		
40	GE32821-001A	LCD CASE		
41	GE40397-002A	LIGHTING SHEET		G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, G299UR, S15J, G347BEE2, G347SEE2
41	GE40397-003A	LIGHTING SHEET		G245HUN
42	QLD0530-001	LCD MODULE		G140J, G240J, G299UR, G347BEE2, G347SEE2
42	QLD0523-001	LCD MODULE		G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, S15J, G245HUN
43	QNZ0950-001	RUBBER CONNECTO		
44	QMFZ063-150-J1	FUSE	15A	
45	GE40354-001A	IC BRACKET		
46	GE40396-001A	REG BRACKET		G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G341E, G341EX, G341EY, G341EU, G342E, G342EX, G342EY, G342EU, G343E, G343EX, G343EY, G343EU, G347SEE, G347BEE, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, G299UR, S15J, G347BEE2, G347SEE2, G245HUN
46	GE40396-002A	REG BRACKET		
47	GE30854-001A	LED HOLDER		
48	GE32878-001A	NAME PLATE		G140J
48	GE32930-001A	NAME PLATE		G240J
48	GE32933-001A	NAME PLATE		G244UI
48	GE32882-001A	NAME PLATE		G245U, G245UN, G245UT, G245UH
48	GE32936-001A	NAME PLATE		G248UF
48	GE32875-001A	NAME PLATE		G341E, G341EX, G341EY, G341EU
48	GE32909-001A	NAME PLATE		G342E, G342EX, G342EY, G342EU
48	GE32912-001A	NAME PLATE		G343E, G343EX, G343EY, G343EU
48	GE32918-001A	NAME PLATE		G347SEE
48	GE32915-001A	NAME PLATE		G347BEE
48	GE32939-001A	NAME PLATE		G394UI
48	GE32885-001A	NAME PLATE		G395U, G395UN, G395UT, G395UH
48	GE33056-001A	NAME PLATE		G396U, G396UN, G396UT, G396UH
48	GE32942-001A	NAME PLATE		G398UF
48	GE33257-001A	NAME PLATE		G396SUI
48	GE33363-001A	NAME PLATE		S15J
48	GE33324-001A	NAME PLATE		G347BEE2
48	GE33330-001A	NAME PLATE		G347SEE2
48	GE33740-001A	NAME PLATE		G245HUN
49	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x2)	G140J, G240J, G244UI, G245U, G245UN, G245UT, G245UH, G248UF, G394UI, G395U, G395UN, G395UT, G395UH, G396U, G396UN, G396UT, G396UH, G398UF, G396SUI, G299UR, S15J, G245HUN
50	GE31574-074A	UT LABEL		G245UT
50	GE31574-075A	UT LABEL		G395UT
50	GE31574-076A	UT LABEL		G396UT
51	GE33135-001A	TOP SHEET		G248UF, G398UF, G245HUN

Symbol No.	Part No.	Part Name	Description	Local
52	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	G299UR,S15J,G347BEE2,G347SEE2,G245HUN
53	QYSDSP4014ZA	SCREW	M4 x 14mm	S15J
54	GE40225-001A	CAR STEREO TAG		S15J
55	GE40282-001A	LABEL		S15J

<MEMO>

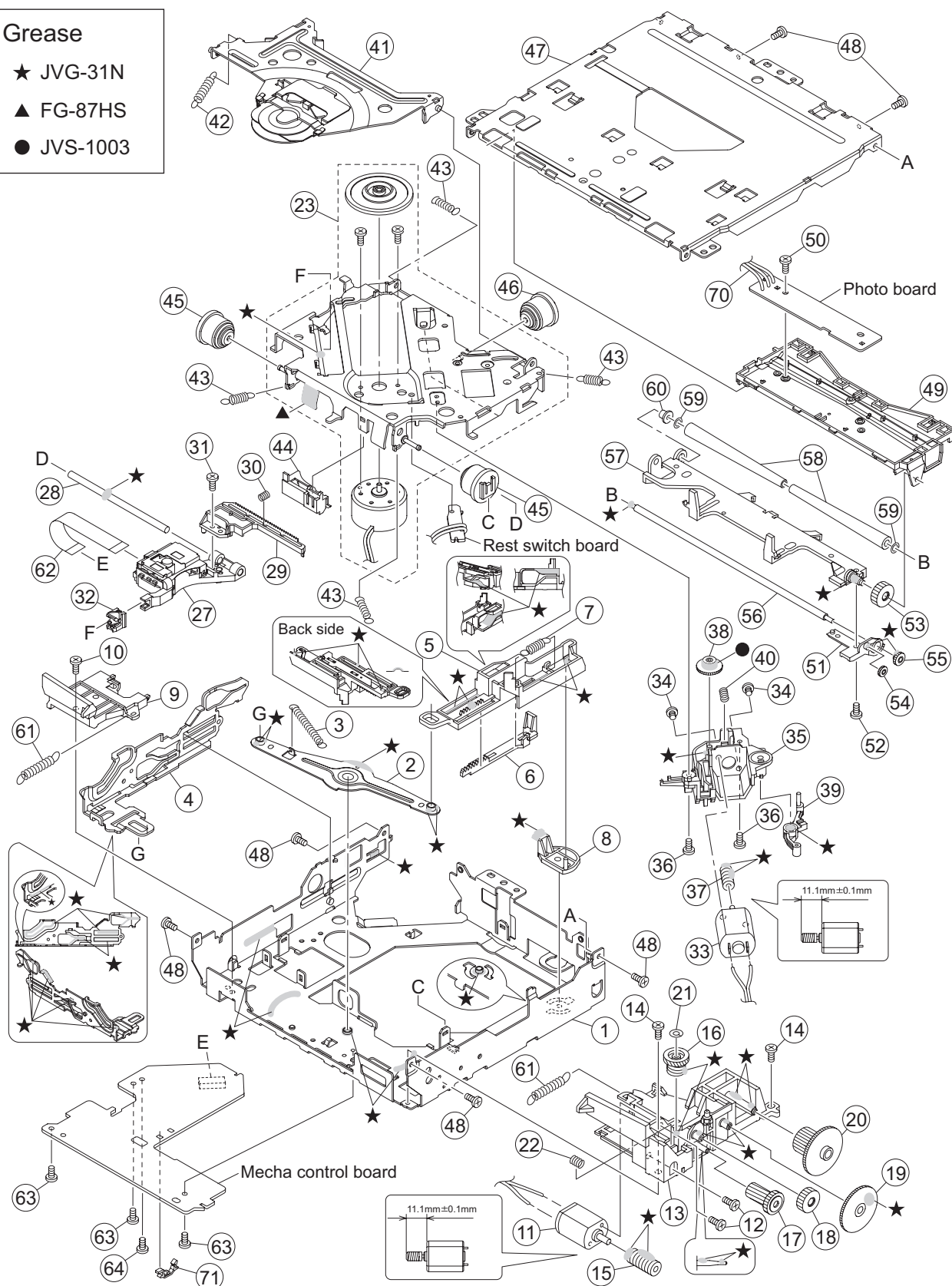
CD mechanism assembly and parts list

FLM-CD2-1D

Block No. M B M M

Grease

- ★ JVG-31N
- ▲ FG-87HS
- JVS-1003



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	LV11256-001A	MECHA FRAME		
	2	LV36800-002A	LINK ARM		
	3	LV44658-001A	LINK SPRING		
	4	LV22300-001A	SLIDE CAM(L)		
	5	LV22298-002A	SLIDE CAM(R)		
	6	LV36802-001A	LOAD RACK		
	7	LV44552-001A	RETURN SPRING		
	8	LV36803-002A	F LOCK LEVER		
	9	LV36804-002A	CAM COVER		
	10	VKZ4539-054	MINI SCREW		
	11	QAR0373-002	MOTOR		
	12	QYSPSPT2025MA	SCREW	M2 x 2.5mm(x2)	
	13	LV36903-002A	L M BASE ASSY		
	14	VKZ4539-054	MINI SCREW	(x2)	
	15	LV36806-001A	L WORM GEAR		
	16	LV36805-001A	M WHEEL GEAR		
	17	LV36807-001A	A WHEEL GEAR		
	18	LV36808-001A	R ACT GEAR(1)		
	19	LV36809-001A	LOAD ACT GEAR		
	20	LV36810-001A	LOADING GEAR		
	21	QYWDL1230250	SLIT WASHER	3mm/1.2mm x 0.25mm	
	22	LV44589-002A	COMPRESSION SPRING		
	23	CM-FLMCD1D	SPINDLE MOTOR ASSY		
	27	QAL0993-001	PICK UP		
	28	LV44555-001A	MAIN SHAFT		
	29	LV36799-001A	RACK PLATE		
	30	LV45227-001A	RACK SPRING		
	31	QYSPSGT1745ZA	TAP SCREW	M1.7 x 4.5mm	
	32	LV36813-001A	SUB GUIDE CAP		
	33	QAR0144-003	MOTOR	2.0V DC	
	34	QYSPSPT2025MA	SCREW	M2 x 2.5mm(x2)	
	35	LV22296-001A	F MOTOR HOLDER		
	36	VKZ4539-054	MINI SCREW	(x2)	
	37	LV36814-001A	F WORM GEAR		
	38	LV36815-001A	F WHEEL GEAR		
	39	LV36816-001A	TRIGGER ARM		
	40	LV44589-002A	COMPRESSION SPRING		
	41	LV37326-001A	CLAMPER ASSY		
	42	LV44557-002A	CLAMPER SPRING		
	43	LV44558-001A	SUS SPRING	(x4)	
	44	LV36820-001A	WIRE HOLDER		
	45	LV36904-001A	DAMPER	(x2)	
	46	LV37061-001A	DAMPER		
	47	LV11260-002A	TOP COVER		
	48	VKZ4539-054	MINI SCREW	(x6)	
	49	LV11264-003A	DISC PLATE		
	50	LV44586-001A	SPECIAL SCREW		
	51	LV36801-002A	GEAR HOLDER		
	52	VKZ4539-054	MINI SCREW		
	53	LV36821-001A	R ACT GEAR(2)		
	54	LV36822-001A	R ACT GEAR(3)		
	55	LV36823-001A	ROLLER GEAR		
	56	LV44559-002A	ROLLER SHAFT		
	57	LV22325-002A	R HOLDER ASSY		
	58	LV44560-001A	ROLLER	(x2)	
	59	LV44590-001A	WASHER	(x2)	
	60	LV44561-001A	ROLLER COLLAR		
	61	LV44562-002A	ROLLER SPRING	(x2)	
	62	QAL0817-003	FPC		
	63	VKZ4539-054	MINI SCREW	(x3)	
	64	VKZ4539-054	MINI SCREW		
	70	WJS0085-001A-E	E-FL/RB WIRE		
	71	LV34916-001A	WIRE CLAMP		

Electrical parts list

Main board

(Except KD-G341E,EX,EY,EU,
KD-G342E,EX,EY,EU,
KD-G343E,EX,EY,EU,
KD-G347SEE,KD-G347BEE,
KD-G347BEE2,KD-G347SEE2)

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC1	TEF6601T/V2-X	IC		
IC161	BD3445FS-X	IC		
△ IC301	TB2926HQ	IC	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299 UR,S15J G245HUN	
IC301	TB2926CHQ	IC		
△ IC501	LA6565-X	IC		
△ IC701	JCV8016-253	IC	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF G396SUI,G29 9UR G245HUN	
△ IC701	JCV8016-254	IC		
IC701	JCV8016-2001C	IC		
IC702	TMP86CH09NG6RN0	IC	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G396SUI, G299UR,G24 5HUN	
IC703	S-80827CNMC-W	IC		
△ IC901	AN34001A	REGULATOR IC		
Q301	RT6N430C-X	TRANSISTOR	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF G396SUI,S15 J,G245HUN	
Q301	2SC3928A/QR/-X	TRANSISTOR		
Q301	2SD601A/R/-X	TRANSISTOR		
Q301	or 2SD601A/QR/-X	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q352	RT3X99M-X	TRANSISTOR		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
Q501	2SA1705/ST-T	TRANSISTOR		
Q531	2SA1365/F/-X	TRANSISTOR		
Q701	RT1N141C-X	DIGI TRANSISTOR		
Q701	or UN2211-X	TRANSISTOR		
Q702	RT1P141C-X	DIGI TRANSISTOR		
Q702	or UN2111-X	TRANSISTOR		
Q781	RT1P141C-X	DIGI TRANSISTOR		
Q781	or UN2111-X	TRANSISTOR		
Q782	RT1P141C-X	DIGI TRANSISTOR		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
Q782	or UN2111-X	TRANSISTOR		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
Q783	RT1P141C-X	DIGI TRANSISTOR		
Q783	or UN2111-X	TRANSISTOR		
Q881	RT1N141C-X	DIGI TRANSISTOR		
Q881	or UN2211-X	TRANSISTOR		
Q882	RT1P141C-X	DIGI TRANSISTOR		
Q882	or UN2111-X	TRANSISTOR		
Q976	ISA1530AC1/R/-X	TRANSISTOR		
Q976	or 2SB709A/QR/-X	TRANSISTOR		
Q977	RT1N141C-X	DIGI TRANSISTOR		
Q977	or UN2211-X	TRANSISTOR		
D301	MA111-X	SI DIODE		
D301	or 1SS355W-X	DIODE		
D311	IMSA6802-X	C CAPACITOR		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F G396SUI,G29 9UR,S15J
D311	NAF0029-001X	DIODE	V	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F G396SUI,G29 9UR,S15J
D312	IMSA6802-X	C CAPACITOR		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F G396SUI,G29 9UR,S15J
D312	NAF0029-001X	DIODE	V	G396SUI,G29 9UR,S15J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D341	MC2836-X	DIODE		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	D704	UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D341	or MA152WA-X	DIODE		G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	D704	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D501	1A3G-T1	SI DIODE			D704	or MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D701	1SS355W-X	DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	D705	UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D701	MA111-X	SI DIODE			D705	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN
D701	or MA111-X	SI DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	D705	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D701	or 1SS355W-X	DIODE			D705	or MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN
D703	UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	D706	UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D703	MA8062/M/-X	Z DIODE			D706	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN
D703	or MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	D706	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
D703	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR	D706	or MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
					D706	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
					D781	MA111-X	SI DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
					D781	or 1SS355W-X	DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR
					D782	MA8100/M/-X	Z DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN G299UR

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D782 D783 D783 D851	or UDZW10B-X MC2836-X or MA152WA-X MA22D23-X	Z DIODE DIODE DIODE SB DIODE		G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI	D903	MA22D23-X	SB DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299 UR,S15J
D851 D851	MA22F20-X or RB160M-30-X	SB DIODE SB DIODE		G245HUN G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI	D903 D903	MA22F20-X or RB160M-30-X	SB DIODE SB DIODE		G245HUN G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299 UR,S15J
D851	or CRS03-W	SB DIODE		G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI	D903	or CRS03-W	SB DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299 UR,S15J
D852	MA22D39-X	SB DIODE		G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI	D904	MA22D39-X	SB DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299 UR,S15J
△ D901	1N5401-TU-15	SI DIODE		G299UR	C1	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
△ D901	1N5401-F64	SI DIODE		G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C2	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
△ D901	or 1N5401-F64	SI DIODE		G299UR	C3	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C4	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
				G299UR	C5	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C6	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
				G299UR	C10	NCB21AK-105X	C CAPACITOR	1uF 10V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C11	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G299UR	C12	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C13	NCB21AK-105X	C CAPACITOR	1uF 10V K	
				G299UR	C14	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C15	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
				G299UR	C16	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C17	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
				G299UR	C18	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C19	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
				G299UR	C20	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C21	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
				G299UR	C23	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C24	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G299UR	C25	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C26	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
				G299UR	C27	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
				G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,S15J, G245HUN	C30	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF
△ D901	or 1N5401-TU-15	SI DIODE		G299UR	C30	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	G396SUI,G29 9UR,S15J,G2 45HUN
				G299UR	C161	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
				G299UR	C163	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
				G299UR	C164	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
				G299UR	C165	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
				G299UR	C166	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
C167	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	C538	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C168	QTE1A57-107Z	E CAPACITOR	100uF 10V		C539	NCB31AK-154X	C CAPACITOR	0.15uF 10V K	
C169	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C540	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C171	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C541	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
					C542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C543	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
					C544	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C545	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
					C546	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
					C547	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C173	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	C548	NDC31HJ-471X	C CAPACITOR	470pF 50V J		
C174	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	C549	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		
C181	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C550	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		
C183	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C553	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
C184	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
C186	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C555	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		
C187	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C556	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		
C188	QTE1C57-106Z	E CAPACITOR	10uF 16V	C557	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		
C191	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	C558	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C559	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		
				C560	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C561	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		
				C562	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C563	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C564	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C565	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C566	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
C193	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	C567	NCB31HK-562X	C CAPACITOR	5600pF 50V K		
C194	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	C568	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		
C301	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C569	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		
C302	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C581	NCB31HK-332X	C CAPACITOR	3300pF 50V K		
C303	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	C582	NDC31HJ-331X	C CAPACITOR	330pF 50V J		
C304	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	C583	QTE1H57-225Z	E CAPACITOR	2.2uF 50V		
C310	QTE1C57-476Z	E CAPACITOR	47uF 16V	C591	NCB31HK-332X	C CAPACITOR	3300pF 50V K		
C312	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C592	NDC31HJ-331X	C CAPACITOR	330pF 50V J		
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C593	QTE1H57-225Z	E CAPACITOR	2.2uF 50V		
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C596	NDC31HJ-101X	C CAPACITOR	100pF 50V J		
C315	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C701	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		
C316	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C702	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C705	NDC31HJ-180X	C CAPACITOR	18pF 50V J		
				C706	NDC31HJ-180X	C CAPACITOR	18pF 50V J		
				C707	QERF0JM-337Z	E CAPACITOR	330uF 6.3V M		
				C708	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		
				C718	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		
C316	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF G396SUI,G29 9UR,S15J,G2 45HUN
C318	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	C718	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		
C320	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C323	NCB21AK-225X-A	C CAPACITOR	2.2uF 10V K						
C381	NCB31HK-104X	C CAPACITOR	0.1uF 50V K						
				C751	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		
				C752	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C753	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C754	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		
				C757	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		
				C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		
C381	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	C771	NDC31HJ-101X	C CAPACITOR	100pF 50V J		
				C772	NDC31HJ-101X	C CAPACITOR	100pF 50V J		
				C781	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		
				C782	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		
C506	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	C851	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		
C507	NCB31EK-103X	C CAPACITOR	0.01uF 25V K					G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF G396SUI,G24 5HUN	
C508	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						
C509	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M						
C510	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						
C531	NDC31HJ-470X	C CAPACITOR	47pF 50V J						
C532	NCB31CK-153X	C CAPACITOR	0.015uF 16V K						
C533	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C534	NCB31HK-222X	C CAPACITOR	2200pF 50V K						
C535	NCB31CK-104X	C CAPACITOR	0.1uF 16V K						
C536	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C537	NCB31HK-472X	C CAPACITOR	4700pF 50V K						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C901	QEZ0645-228	E CAPACITOR	2200uF 16V M	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF	R91	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN
C901	QEZ0870-228	E CAPACITOR	2200uF	G396SUI,G29 9UR,S15J,G2 45HUN	R92	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	G140J,G240J, G299UR,S15J
C902	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF	R92	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN
C902	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	G396SUI,G29 9UR,S15J,G2 45HUN	R161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
C903	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		R162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C905	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R163	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C910	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		R166	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C911	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		R167	NRS181J-2R2X	MG RESISTOR	2.2Ω 1/8W J	
C914	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R171	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C916	NCB21EK-474X	C CAPACITOR	0.47uF 25V K						
R1	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J						
R2	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J						
R4	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R181	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
R5	NRS181J-220X	MG RESISTOR	22Ω 1/8W J		R182	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6	NRS181J-101X	MG RESISTOR	100Ω 1/8W J		R183	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7	NRS181J-101X	MG RESISTOR	100Ω 1/8W J		R191	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R11	NRS181J-4R7X	MG RESISTOR	4.7Ω 1/8W J						
R81	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	G140J,G240J, G299UR,S15J					G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN
R81	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN	R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R302	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R82	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	G140J,G240J, G299UR,S15J					G140J,G240J, G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF
R82	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN	R304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R91	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	G140J,G240J, G299UR,S15J	R341	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	R702	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G140J,G244U I,G245U,G245 UN,G245UT,G 245UH,G248U F,S15J,G245H UN
R351	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	R703	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G39 4UI,G395U,G 395UN,G395U T,G395UH,G3 96U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G245 HUN
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J	R704	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G140J,G240J, G299UR,S15J
R501	NRS181J-273X	MG RESISTOR	27kΩ 1/8W J		R705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R706	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R503	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J		R707	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	
R504	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R708	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R505	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R711	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R507	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R713	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R509	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R717	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R510	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R511	NRS181J-100X	MG RESISTOR	10Ω 1/8W J		R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R513	NRS181J-822X	MG RESISTOR	8.2kΩ 1/8W J		R721	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R514	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R722	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R723	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R516	NRS181J-333X	MG RESISTOR	33kΩ 1/8W J		R724	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	G140J,G240J, G394UI,G395 U,G395UN,G3 95UT,G395UH ,G396U,G396 UN,G396UT,G 396UH,G398U F,G396SUI,G2 99UR,S15J
R517	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R724	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	G244UI,G245 U,G245UN,G2 45UT,G245UH ,G248UF,G24 5HUN
R518	NRS181J-151X	MG RESISTOR	150Ω 1/8W J		R725	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R519	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R731	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R531	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R732	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R532	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R733	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R533	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R534	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R735	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R736	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	
R536	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J		R737	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R537	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J		R738	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R538	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J		R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R539	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J		R752	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R541	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J		R753	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R542	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R754	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R543	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R544	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R756	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R545	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R757	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R548	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R549	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R761	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R550	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R551	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J		R763	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R552	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J		R764	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R553	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R765	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R581	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R766	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R582	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R769	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R591	NRS181J-821X	MG RESISTOR	820Ω 1/8W J		R770	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R592	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R771	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R772	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R773	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R701	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	G240J,G394U I,G395U,G395 UN,G395UT,G 395UH,G396U ,G396UN,G39 6UT,G396UH, G398UF,G396 SUI,G299UR	R774	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R775	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R782	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local
R783	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G245HUN
R784	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R851	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R881	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
R882	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R883	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R901	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R903	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R911	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R976	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R977	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R978	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L1	NQL093K-R47X	COIL	0.47uH K	G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
L2	NQL093K-1R8X	COIL	1.8uH K	
L3	QQR1773-001	COIL		
L3	QQL213M-R22Z	COIL	0.22uH M	G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
L4	QQR1813-001	COIL		
L5	QQL244J-561Z	COIL	560uH J	
L6	QQL244J-561Z	COIL	560uH J	
L7	QQL244J-4R7Z	P COIL	4.7uH J	
L8	QQL244J-4R7Z	P COIL	4.7uH J	
L531	QQL244J-4R7Z	P COIL	4.7uH J	
L701	QQL244J-4R7Z	P COIL	4.7uH J	
L702	QQL244J-4R7Z	P COIL	4.7uH J	
L901	QQR1809-001	CHOKE COIL		
CN501	QGB2027MD-26	CONNECTOR	B-B (1-26)	G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
CN701	QGZ1601J1-15	CONNECTOR	(1-15)	
CN901	QNZ0611-001	CONNECTOR	16P	
J1	QNB0190-001	ANTENNA JACK		G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
J321	QNN0802-001	PIN JACK		
S701	QSW0648-001Z	TACT SWITCH		G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,G245HUN
X1	QAX0928-001Z	CRYSTAL		
X551	QAX0929-001Z	C RESONATOR		
X701	QAX0667-001Z	C RESONATOR	8.000MHz	
X702	QAX0401-001	CRYSTAL	32.768KHz	

Main board

(Only KD-G341E,EX,EY,EU,
KD-G342E,EX,EY,EU,
KD-G343E,EX,EY,EU,
KD-G347SEE,KD-G347BEE,
KD-G347BEE2,KD-G347SEE2)

Block No. [0][2]

Symbol No.	Part No.	Part Name	Description	Local
△ IC1	TEF6606T/V2-X	IC		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G347BEE2,G347SEE2
IC71	LC72725KM-X	IC		
IC101	NJM4565E-X	IC		
IC161	NJW1192V-X	IC		
△ IC301	TB2926HQ	IC		
△ IC501	LA6565-X	IC		
△ IC521	MN6627945EE	IC		
△ IC701	MN101E16KDC	IC		
△ IC701	MN101E16KDC1	IC		
IC702	S-80824CNNB-G-W	IC		
IC702	or IC-PST3424U-X	IC		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G347BEE2,G347SEE2
IC771	S-24CS16A0I-G-X	IC		
△ IC901	AN34001A	REGULATOR IC		
IC981	NJU7772F15-X	IC		
Q341	RT3X99M-X	TRANSISTOR		
Q501	2SA1705/ST-T	TRANSISTOR		
Q521	ISA1530AC1/R/-X	TRANSISTOR		
Q521	or 2SB709A/QR/-X	TRANSISTOR		
Q781	RT1P141C-X	DIGI TRANSISTOR		
Q781	or UN2111-X	TRANSISTOR		
Q782	RT6N430C-X	TRANSISTOR		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G347BEE2,G347SEE2
Q784	RT1P141C-X	DIGI TRANSISTOR		
Q784	or UN2111-X	TRANSISTOR		
Q882	RT1P141C-X	DIGI TRANSISTOR		
Q882	or UN2111-X	TRANSISTOR		
Q883	RT1N141C-X	DIGI TRANSISTOR		
Q883	or UN2211-X	TRANSISTOR		
Q891	RT1N141C-X	DIGI TRANSISTOR		
Q891	or UN2211-X	TRANSISTOR		
Q976	RT1N141C-X	DIGI TRANSISTOR		
Q976	or UN2211-X	TRANSISTOR		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G347BEE2,G347SEE2
Q977	ISA1530AC1/R/-X	TRANSISTOR		
Q977	or 2SB709A/QR/-X	TRANSISTOR		
D1	MA111-X	SI DIODE		
D1	or 1SS355W-X	DIODE		
D2	MA111-X	SI DIODE		
D2	or 1SS355W-X	DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D331	MC2836-X	DIODE		G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU	C2	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
					C3	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
D331	or MA152WA-X	DIODE		G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU	C3	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	G347BEE
					C4	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
					C5	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
					C6	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
D342	IMSA6802-X	C CAPACITOR		G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU	C7	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
					C10	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C11	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C12	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C13	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C14	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
					C15	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C16	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C17	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D352	IMSA6802-X	C CAPACITOR		G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU	C18	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C19	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C22	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
					C23	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C24	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C25	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C26	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
					C27	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
					C33	NDC31HJ-5R6X	C CAPACITOR	5.6pF 50V J	
					C34	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
D501	1A3G-T1	SI DIODE			C71	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
D712	MA111-X	SI DIODE			C72	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
D712	or 1SS355W-X	DIODE			C73	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
D713	MA8056/M/-X	Z DIODE			C74	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
D713	or UDZW5.6B-X	Z DIODE			C75	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
D715	MA8062/M/-X	Z DIODE			C76	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D715	or UDZW6.2B-X	Z DIODE			C77	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D716	MA8062/M/-X	Z DIODE			C78	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D716	or UDZW6.2B-X	Z DIODE			C101	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
D717	MA8062/M/-X	Z DIODE			C102	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
D717	or UDZW6.2B-X	Z DIODE			C103	NDC31HK-101X	C CAPACITOR	100pF 50V K	G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
D718	MA8062/M/-X	Z DIODE							
D718	or UDZW6.2B-X	Z DIODE							
D781	MA111-X	SI DIODE							
D781	or 1SS355W-X	DIODE							
D782	MA111-X	SI DIODE							
D782	or 1SS355W-X	DIODE							
D784	MA8110/M/-X	Z DIODE							
D784	or UDZW11B-X	Z DIODE							
D786	MA111-X	SI DIODE							
D786	or 1SS355W-X	DIODE							
D787	MA111-X	SI DIODE							
D787	or 1SS355W-X	DIODE			C104	NDC31HJ-101X	C CAPACITOR	100pF 50V J	G347BEE
D891	MC2836-X	DIODE							
D891	or MA152WA-X	DIODE				NDC31HK-101X	C CAPACITOR	100pF 50V K	G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
△ D901	1N5401-F64	SI DIODE							
△ D901	or 1N5401-TU-15	SI DIODE							
D902	GS1J-X	DIODE		G341E,G341EX,G3411EY,G342EU,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU					
					C104	NDC31HJ-101X	C CAPACITOR	100pF 50V J	G347BEE
D971	MA22D23-X	SB DIODE							
D971	or RB160M-30-X	SB DIODE							
D971	or CRS03-W	SB DIODE			C111	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
D972	MA22D39-X	SB DIODE			C112	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C1	NCB31HK-102X	C CAPACITOR	1000pF 50V K						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C113	NDC31HK-101X	C CAPACITOR	100pF 50V K	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE	C386	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
C113	NDC31HJ-101X	C CAPACITOR	100pF 50V J	G347BEE,2,G347SEE	C501	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C114	NDC31HK-101X	C CAPACITOR	100pF 50V K	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE	C503	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C114	NDC31HJ-101X	C CAPACITOR	100pF 50V J	G347BEE,2,G347SEE	C504	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C115	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		C505	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C116	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M		C507	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C117	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M		C511	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C121	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C513	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C515	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C160	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		C517	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C161	QTE1H57-105Z	E CAPACITOR	1uF 50V		C518	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C164	NCB31HK-471X	C CAPACITOR	470pF 50V K		C521	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C165	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		C522	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C166	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C524	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C525	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C168	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C526	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C169	QTE1E57-475Z	E CAPACITOR	4.7uF 25V		C527	NCB31EK-332X	C CAPACITOR	3300pF 25V K	
C170	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		C528	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C171	QTE1H57-105Z	E CAPACITOR	1uF 50V		C529	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	NCB31HK-471X	C CAPACITOR	470pF 50V K		C530	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C175	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		C531	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C176	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C532	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C533	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C178	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C534	NCB31EK-332X	C CAPACITOR	3300pF 25V K	
C179	QTE1E57-475Z	E CAPACITOR	4.7uF 25V		C535	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C536	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C182	QTE1A57-107Z	E CAPACITOR	100uF 10V		C537	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C183	QTE1C57-106Z	E CAPACITOR	10uF 16V		C539	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C301	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C540	NCS31HJ-681X	C CAPACITOR	680pF 50V J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE
C302	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J						2,G347SEE
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J						E2
C304	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C541	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	
C310	NCB21AK-225X-A	C CAPACITOR	2.2uF 10V K		C542	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C311	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C543	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C312	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C544	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C545	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C547	QTE0J57-476Z	E CAPACITOR	47uF 6.3V	
C315	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C548	QTE0J57-476Z	E CAPACITOR	47uF 6.3V	
C316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C549	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C317	QTE1C57-476Z	E CAPACITOR	47uF 16V		C551	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C318	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		C552	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C319	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C581	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C320	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C582	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C385	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU	C583	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
					C584	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
					C585	QTE1H57-225Z	E CAPACITOR	2.2uF 50V	
					C586	QTE1H57-225Z	E CAPACITOR	2.2uF 50V	
					C703	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
					C704	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
					C705	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
					C706	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
					C707	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
					C708	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C711	QTE0J57-476Z	E CAPACITOR	47uF 6.3V	
					C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C714	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C717	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C718	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C719	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R161	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R162	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C721	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C722	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M		R171	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C742	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R172	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C744	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R173	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C771	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C781	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C784	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R186	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C891	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R188	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C901	QEZ0645-228	E CAPACITOR	2200uF 16V M	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE	R305	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
				E2	R342	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
C901	QEZ0870-228	E CAPACITOR	2200uF		R343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
C902	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M						
C903	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M						
C905	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M						
C906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C907	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M						
C908	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M		R352	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
C910	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M						
C912	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C913	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M						
C914	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M						
C916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C917	QERF0JM-337Z	E CAPACITOR	330uF 6.3V M						
C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						
C982	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						
C983	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
C984	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						
C991	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU					
R1	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J						
R2	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J						
R4	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R5	NRS181J-220X	MG RESISTOR	22Ω 1/8W J						
R6	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R7	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R8	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R9	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R11	NRS181J-4R7X	MG RESISTOR	4.7Ω 1/8W J		R387	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
R72	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R73	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R74	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J						
R81	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J						
R82	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J						
R91	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J						
R92	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R500	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R501	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R502	NRS181J-822X	MG RESISTOR	8.2kΩ 1/8W J	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R503	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R504	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R505	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R506	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R507	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R508	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R115	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R509	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R510	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R511	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R512	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R514	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R515	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R517	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R518	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R519	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R520	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R521	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R523	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R525	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R526	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R527	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R528	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R529	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R533	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R535	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R536	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R540	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R541	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R542	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R544	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R545	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R546	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R547	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R548	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R549	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R554	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R556	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R558	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R559	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R565	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R566	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R581	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R582	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R583	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R584	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R703	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R704	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R708	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R709	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE 2,G347SE E2
R712	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R722	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R727	NRS181J-122X	MG RESISTOR	1.2kΩ 1/8W J	
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R731	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R736	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R736	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	G347BEE 2,G347SE E2
R737	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R737	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	G347BEE 2,G347SE E2
R738	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R738	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	G347BEE 2,G347SE E2
R739	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G347BEE 2,G347SE E2
R743	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R744	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	G341E,G3 41EX,G34 1EY,G341 EU,G342E ,G342EX, G342EY,G 342EU,G3 43E,G343 EX,G343E Y,G343EU ,G347SEE ,G347BEE
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G347BEE 2,G347SE E2
R746	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R748	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R752	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R753	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R754	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R755	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R756	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R764	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R771	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R772	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R774	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R775	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R779	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R781	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	
R782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R783	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R883	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R884	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R885	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R892	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R901	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R902	NRSA02J-912X	MG RESISTOR	9.1kΩ 1/10W J	
R903	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W 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	
L1	NQL093K-R47X	COIL	0.47uH K	
L2	NQL093K-1R8X	COIL	1.8uH K	
L3	QQR1773-001	COIL		
L4	QQR1813-001	COIL		
L5	QQL244J-561Z	COIL	560uH J	
L6	QQL244J-561Z	COIL	560uH J	
L7	QQL244J-4R7Z	P COIL	4.7uH J	
L8	QQL244J-4R7Z	P COIL	4.7uH J	
L31	NQL093K-R47X	COIL	0.47uH K	
L120	NQR0007-002X	FERRITE BEADS		
L121	NQR0007-002X	FERRITE BEADS		
L122	NQR0007-002X	FERRITE BEADS		
L701	QQL244J-4R7Z	P COIL	4.7uH J	
L702	QQL244J-4R7Z	P COIL	4.7uH J	
L901	QQR1809-001	CHOKE COIL		
CN501	QGB2027MD-26	CONNECTOR	B-B (1-26)	
CN701	QGG1601J1-15	CONNECTOR	(1-15)	
CN901	QNZ0859-001	CAR CONNECTOR		
J1	QNB0190-001	ANTENNA JACK		
J321	QNN0802-001	PIN JACK		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU
S701	QSW0648-001Z	TACT SWITCH		
X1	QAX0928-001Z	CRYSTAL		
X71	QAX0926-001Z	CRYSTAL		
X521	QAX0714-001Z	C RESONATOR	16.000MHz	
X701	QAX0667-001Z	C RESONATOR	8.000MHz	
X702	QAX0401-001	CRYSTAL	32.768KHz	

Switch board

(Except KD-G341E,EX,EY,EU,
KD-G342E,EX,EY,EU,
KD-G343E,EX,EY,EU,
KD-G347SEE,KD-G347BEE,
KD-G347BEE2,KD-G347SEE2)

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
IC661	PTC6525LQ-L	IC		
IC681	NJL29H380A	REMOCON RCV		G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,S15J
IC681	RPM7338-V4	RM.RECEIVER		
D630	LHQ974/LM/-X	LED		
D631	LHQ974/LM/-X	LED		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,S15J
D631	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D632	NECBB205/WPQR/X	LED		G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,S15J
D632	LHQ974/LM/-X	LED		G244UI,G245U,G245UN,G245UT,G245UH,G248UF,S15J
D632	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D633	SML-D12V8W/PQ-X	LED		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,S15J
D633	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D634	SML-D12V8W/PQ-X	LED		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,G299UR,S15J
D634	LNJ308G81/1-3/X	LED	GREEN	G245HUN

△ Symbol No.	Part No.	Part Name	Description	Local
D635	SML-D12V8W/PQ-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D635	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D636	SML-D12V8W/PQ-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D636	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D637	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D637	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D638	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D638	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D639	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D639	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D640	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D640	LNJ308G81/1-3/X	LED	GREEN	G245HUN

△ Symbol No.	Part No.	Part Name	Description	Local
D641	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D641	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D642	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D642	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D644	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D644	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D645	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D645	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D646	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D646	LNJ308G81/1-3/X	LED	GREEN	G245HUN
D647	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
D647	LNJ308G81/1-3/X	LED	GREEN	G245HUN

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D648	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	D661	or MA111-X	SI DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, S15J
D648	LNJ308G81/1-3/X	LED	GREEN	G245HUN	D661	or 1SS355W-X	DIODE		G299UR,G245 HUN
D649	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	D662	MA8047/H/-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D649	LNJ308G81/1-3/X	LED	GREEN	G245HUN	D662	MA8051/M/-X	Z DIODE		G396SUI,G299 UR,S15J,G245 HUN
D650	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	D662	or UDZW5.1B-X	SB DIODE		G396SUI,S15J, G245HUN
D650	LNJ308G81/1-3/X	LED	GREEN	G245HUN	D663	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D651	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	D663	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D651	LNJ308G81/1-3/X	LED	GREEN	G245HUN	D664	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D652	LHQ974/LM/-X	LED		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	D664	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D652	LNJ308G81/1-3/X	LED	GREEN	G245HUN	D664	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D653	NSPW310CS/BTUV/	WHITE LED			D665	MA8062/M/-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
D654	NSPW310CS/BTUV/	WHITE LED							
D661	1SS355W-X	DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, S15J					
D661	MA111-X	SI DIODE		G299UR,G245 HUN					

Symbol No.	Part No.	Part Name	Description	Local
D665	or UDZW6.2B-X	Z DIODE		G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
C660	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C661	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C663	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C666	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C667	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF
C682	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	G396SUI,G299 UR,S15J
C810	NCB31HK-472X	C CAPACITOR	4700pF 50V K	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
C811	NCB31HK-472X	C CAPACITOR	4700pF 50V K	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
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	
R619	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	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299U R
R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local
R635	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R635	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN
R637	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R637	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN
R639	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R639	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN
R641	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R641	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN
R643	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R643	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN
R645	NRS181J-621X	MG RESISTOR	620Ω 1/8W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R645	NRS181J-561X	MG RESISTOR	560Ω 1/8W J	G245HUN

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R647	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	R659	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299U R
R647	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN	R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,S15J,G 245HUN
R649	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	R661	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
R649	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN	R661	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G396SUI,G299 UR,S15J,G245 HUN
R651	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	R662	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
R651	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN	R662	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G396SUI,G299 UR,S15J,G245 HUN
R653	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J	R663	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R653	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G245HUN	R664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R655	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN	R666	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R656	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	G140J,G240J, G299UR	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G245HUN
R656	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, S15J	R667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R656	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN	R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G245HUN
R658	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299U R	R668	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R658	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,S15J	R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	G245HUN
R658	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G245HUN	R670	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R672	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local
R678 R681	NRSA63J-0R0X NRSA63J-471X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 470Ω 1/16W J	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299U R,S15J
R682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G140J,G240J, G394UI,G395U ,G395UN,G395 UT,G395UH,G 396U,G396UN, G396UT,G396 UH,G398UF,G 396SUI,G299U R,S15J
R856	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R856 R857	NRSA63J-103X NRSA63J-203X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 20kΩ 1/16W J	G245HUN G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF,G396SUI, G299UR,S15J
R857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G245HUN
CJ601 J601	QGZ1601K1-15S QNS0279-001	CONNECTOR AUX JACK	(1-15)	G140J,G240J, G244UI,G245U ,G245UN,G245 UT,G245UH,G 248UF,G394UI, G395U,G395U N,G395UT,G39 5UH,G396U,G 396UN,G396U T,G396UH,G39 8UF
J601	QNS0245-001	AUX JACK		G396SUI,G299 UR,S15J,G245 HUN
JS686 S601 S602 S603 S604 S605 S606 S607 S608 S609 S610 S611 S612 S613 S615 S616 S617 S618 S619	QSW1219-001 NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X NSW0124-001X	ENCODER TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW TACT SW		

Switch board (Only KD-G341E,EX,EY,EU, KD-G342E,EX,EY,EU, KD-G343E,EX,EY,EU, KD-G347SEE,KD-G347BEE, KD-G347BEE2,KD-G347SEE2)

Block No. [0][4]

Symbol No.	Part No.	Part Name	Description	Local
IC661	PTC6525LQ-L	IC		
D630 D631	LHQ974/LM/-X LNJ308G81/1-3/X	LED LED	GREEN	G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D631	LSQ971/KL/-X	LED		G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D632	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D632	LSQ971/KL/-X	LED		G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D633	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D633	LSQ971/KL/-X	LED		G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D634	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D634	LSQ971/KL/-X	LED		G341E,G 341EX,G 341EY,G 341EU G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D635	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU	D640	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D635	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	D640	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D636	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU	D641	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D636	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	D641	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D637	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU	D642	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D637	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	D642	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D638	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU	D644	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D638	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	D644	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D639	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU	D645	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D639	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	D645	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2

△ Symbol No.	Part No.	Part Name	Description	Local
D646	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D646	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D647	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D647	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D648	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D648	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D649	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D649	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D650	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D650	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2

△ Symbol No.	Part No.	Part Name	Description	Local
D651	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D651	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D652	LNJ308G81/1-3/X	LED	GREEN	G341E,G 341EX,G 341EY,G 341EU
D652	LSQ971/KL/-X	LED		G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
D653	NSPW310CS/BTUV/	WHITE LED		
D654	NSPW310CS/BTUV/	WHITE LED		
D661	MA111-X	SI DIODE		
D661	or 1SS355W-X	DIODE		
D662	MA8047/H/-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE
D662	MA8051/M/-X	Z DIODE		G347BE E2,G347 SEE2
D662	or UDZW5.1B-X	SB DIODE		G347BE E2,G347 SEE2
D663	MA8062/M/-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE
D663	or UDZW6.2B-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D664	MA8062/M/-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE	R635	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU
D664	or UDZW6.2B-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE	R635	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, E2,G347 SEE2
D665	MA8062/M/-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE	R637	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU
D665	or UDZW6.2B-X	Z DIODE		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE	R637	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
C660	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R639	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU
C661	NCB21CK-104X	C CAPACITOR	0.1uF 16V K		R639	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
C663	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R641	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU
C666	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R641	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
C667	NCB31CK-104X	C CAPACITOR	0.1uF 16V 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		R643	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU
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		R643	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2
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						
R619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R630	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J						
R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R645	NRS181J-561X	MG RESISTOR	560Ω 1/8W J	

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
R647	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU	R661	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE
R647	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	R661	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G347BE E2,G347 SEE2
R649	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU	R662	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE
R649	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	R662	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	G347BE E2,G347 SEE2
R651	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU	R663	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R651	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	R664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R653	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R653	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R656	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J		R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R658	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	G341E,G 341EX,G 341EY,G 341EU	R670	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R658	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	G342E,G 342EX,G 342EY,G 342EU,G 343E,G3 43EX,G3 43EY,G3 43EU,G3 47SEE,G 347BEE, G347BE E2,G347 SEE2	R672	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R678	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R856	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					CJ601	QGZ1601K1-15S	CONNECTOR	(1-15)	
					J601	QNS0279-001	AUX JACK		G341E,G 341EX,G 341EY,G 341EU,G 342E,G3 42EX,G3 42EY,G3 42EU,G3 43E,G34 3EX,G34 3EY,G34 3EU,G34 7SEE,G3 47BEE G347BE E2,G347 SEE2
					J601	QNS0245-001	AUX JACK		
					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		
					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		
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						

Mecha control board

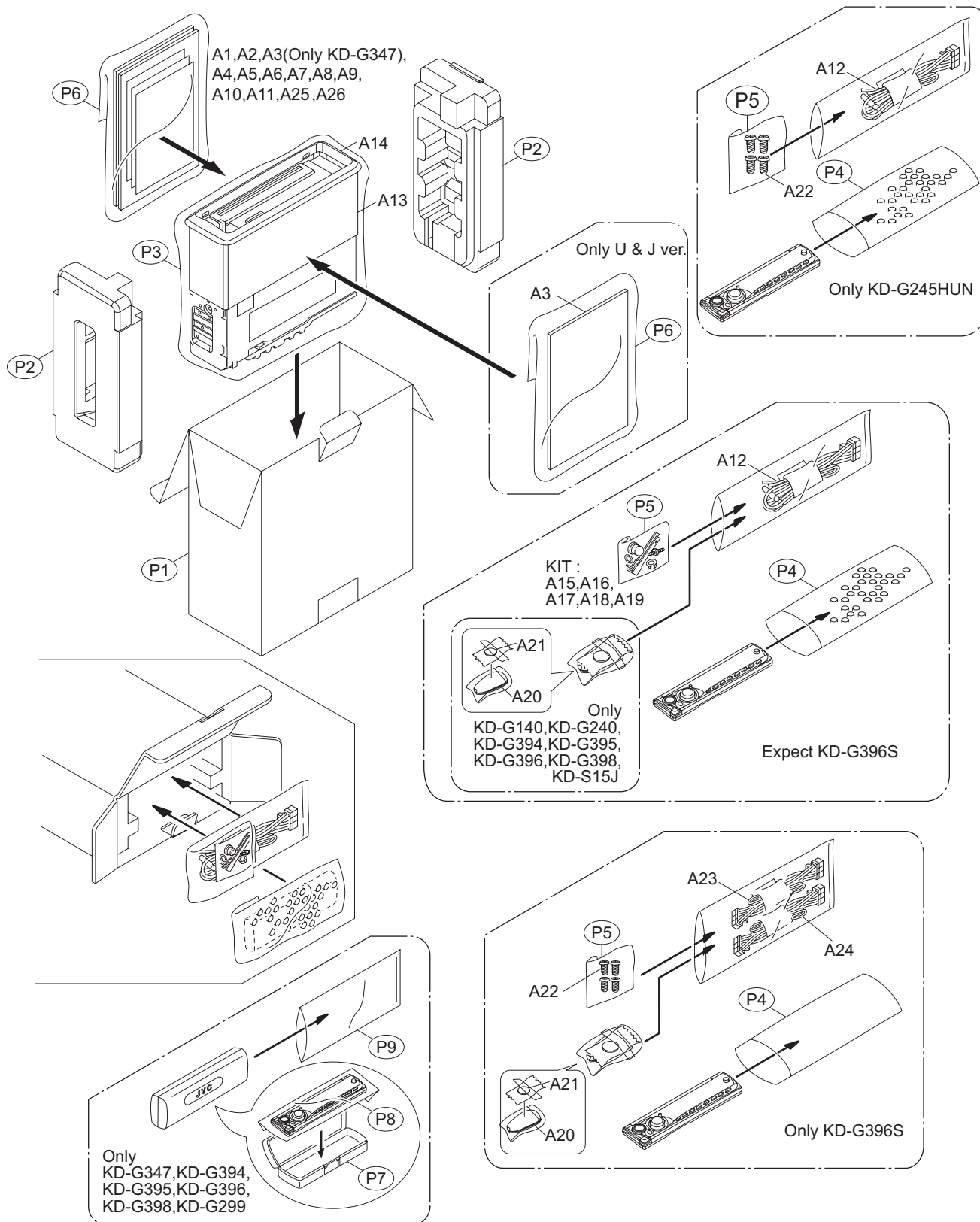
Block No. [0][5]

△ Symbol No.	Part No.	Part Name	Description	Local
Q101	2SC3928A/R/-X	TRANSISTOR		
Q101	or 2SD601A/R/-X	TRANSISTOR		
Q201	2SC3928A/R/-X	TRANSISTOR		
Q201	or 2SD601A/R/-X	TRANSISTOR		
Q301	PS1191RB22/BC/X	PHOTO TRANSISTOR		
Q302	PS1191RB22/BC/X	PHOTO TRANSISTOR		
D101	AN1105W21/AB/-X	IR LED		
D201	AN1105W21/AB/-X	IR LED		
R101	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R102	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R103	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R104	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R105	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R201	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R202	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R203	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R204	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R205	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
CN101	QGB2027LA-26X	CONNECTOR	B-B (1-26)	
CN102	QGF0522F3-15W	CONNECTOR	FFC/FPC (1-15)	
SW1	NSW0291-001X	DETECT SWITCH		

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	GET0485-001B	INST BOOK	ENG	G140J,G240J
A 1	GET0493-001A	INST BOOK	ENG	G244UI,G394UI
A 1	GET0486-001A	INST BOOK	ENG THA	G245U,G245UH,G395U,G395UH,G396U,G396UH
A 1	GET0486-004A	INST BOOK	ENG INA	G245UN,G395UN,G396UN
A 1	GET0486-005A	INST BOOK	ENG CHI(TAIWAN)	G245UT,G395UT,G396UT
A 1	GET0494-001A	INST BOOK	CHI(PEKIN)	G248UF,G398UF
A 1	GET0484-001A	INST BOOK	GER FRE ITA	G341E,G342E,G343E
A 1	GET0484-003A	INST BOOK	ENG FRE	G341EX,G341EU,G342EX,G342EU,G343EX,G343EU
A 1	GET0484-006A	INST BOOK	ENG GER RUS	G341EY,G342EY,G343EY
A 1	GET0491-001A	INST BOOK	ENG	G347SEE,G347BEE
A 1	GET0554-001A	INST BOOK	ENG	G396SUI
A 1	GET0561-001A	INST BOOK	ENG	S15J
A 1	GET0491-001B	INST BOOK	ENG	G347BEE2,G347SEE2
A 1	GET0618-001A	INST BOOK	INA	G245HUN
A 2	GET0485-003B	INST BOOK	FRE	G140J,G240J
A 2	GET0486-003A	INST BOOK	RUS	G245U,G395U,G396U
A 2	GET0484-002A	INST BOOK	SPA POR GRE	G341E,G342E,G343E
A 2	GET0484-004A	INST BOOK	DUT DAN FIN SWE	G341EX,G342EX,G343EX
A 2	GET0484-007A	INST BOOK	HUN CZE POL	G341EY,G342EY,G343EY
A 2	GET0484-005A	INST BOOK	RUS SPA PER TUR	G341EU,G342EU,G343EU
A 2	GET0491-002A	INST BOOK	RUS	G347SEE,G347BEE
A 2	GET0491-002B	INST BOOK	RUS	G347BEE2,G347SEE2
A 3	GET0485-002B	INST BOOK	SPA	G140J,G240J
A 3	GET0486-002A	INST BOOK	ARE KOR CHI(TAIWAN) PER	G245U,G395U,G396U
A 3	GET0491-003A	INST BOOK	UKR	G347SEE,G347BEE
A 3	GET0561-002A	INST BOOK	SPA	S15J
A 3	GET0491-003B	INST BOOK	UKR	G347BEE2,G347SEE2
A 4	GET0486-006A	INST.MANUAL	ENG THA	G245U,G245UH,G395U,G395UH,G396U,G396UH
A 4	GET0486-009A	INST.MANUAL	ENG INA	G245UN,G395UN,G396UN
A 4	GET0486-010A	INST.MANUAL	ENG CHI(TAIWAN)	G245UT,G395UT,G396UT
A 4	GET0484-008A	INST.MANUAL	GER FRE ITA	G341E,G342E,G343E
A 4	GET0484-010A	INST.MANUAL	ENG FRE	G341EX,G341EU,G342EX,G342EU,G343EX,G343EU
A 4	GET0484-013A	INST.MANUAL	ENG GER RUS	G341EY,G342EY,G343EY
A 5	GET0486-007A	INST.MANUAL	ARA KOR CHI(TAIWAN) PER	G245U,G395U,G396U
A 5	GET0484-009A	INST.MANUAL	SPA POR GRE	G341E,G342E,G343E
A 5	GET0484-011A	INST.MANUAL	DUT DAN FIN SWE	G341EX,G342EX,G343EX
A 5	GET0484-014A	INST.MANUAL	HUN CZE POL	G341EY,G342EY,G343EY
A 5	GET0484-012A	INST.MANUAL	RUS SPA PER TUR	G341EU,G342EU,G343EU
A 6	GET0486-008A	INST.MANUAL	RUS	G245U,G395U,G396U
A 7	-----	WARRANTY CARD	BT-52007-1	G140J,G240J
A 7	-----	WARRANTY CARD	BT-54032-1	G341E,G341EX,G341EY,G342E,G342EX,G342EY,G343E,G343EX,G343EY,G347SEE,G347BEE
A 7	-----	WARRANTY CARD	BT-52008-1	S15J
A 7	-----	WARRANTY CARD	BT-54035-1	G347BEE2,G347SEE2
A 8	-----	WARRANTY CARD	BT-51018-5	G140J,G240J,S15J
A 9	BT-51041-1	REGIS. CARD		G140J,G240J
A 9	BT-51044-1	REGIS. CARD		S15J
A 10	VND3046-001	SERIAL TICKET		G341E,G341EX,G341EY,G342E,G342EX,G342EY,G343E,G343EX,G343EY,G347SEE,G347BEE,G347BEE2,G347SEE2
A 11	VND3050-002	IDENTITY CARD		G341E,G341EX,G341EY,G342E,G342EX,G342EY,G343E,G343EX,G343EY
A 12	QAM1048-001	16P CORD ASSY		G140J,G240J,S15J
A 12	QAM1047-001	16P CORD ASSY		G244UI,G245U,G245UN,G245UT,G245UH,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH
A 12	QAM0677-001	ISO ADAPTOR		G248UF,G398UF
A 12	QAM0175-002	CAR CABLE		G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE
A 12	QAM0089-002	ISO CABLE		G299UR
A 12	QAM1111-001	POWER CORD		G347BEE2
A 12	QAM1206-001	POWER CORD		G245HUN
A 13	GE20137-003A	MOUNTING SLEEVE		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G299UR,S15J,G347BEE2,G347SEE2
A 13	GE32259-001A	TRIM PROTECTOR		G396SUI,G245HUN
A 14	GE20235-004A	TRIM PLATE		G140J,G244UI,G245U,G245UN,G245UT,G245UH,S15J
A 14	GE20235-001A	TRIM PLATE		G240J,G396U,G396UN,G396UT,G396UH,G398UF,G299UR
A 14	GE20235-003A	TRIM PLATE		G248UF
A 14	GE20204-015A	TRIM PLATE		G341E,G341EX,G341EY,G341EU,G343E,G343EX,G343EY,G343EU
A 14	GE20204-008A	TRIM PLATE		G342E,G342EX,G342EY,G342EU
A 14	GE20204-007A	TRIM PLATE		G347SEE,G347SEE2
A 14	GE20204-201A	TRIM PLATE		G347BEE,G347BEE2
A 14	GE20235-005A	TRIM PLATE		G394UI,G395U,G395UN,G395UT,G395UH
A 14	GE20235-011A	TRIM PLATE		G245HUN

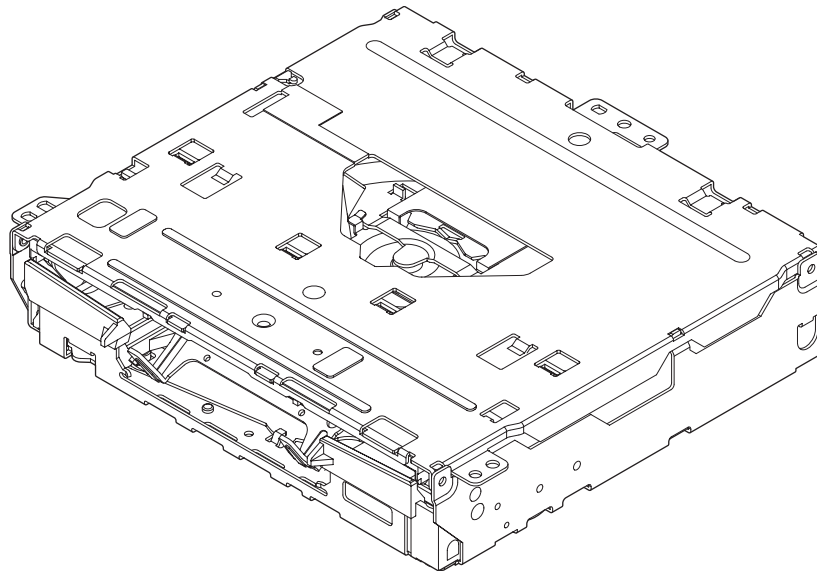
△	Symbol No.	Part No.	Part Name	Description	Local
A 15	VKZ4027-202	PLUG NUT			G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G299UR,S15J,G347BEE2,G347SEE2
A 16	GE40426-001A	MOUNT BOLT			G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
A 16	GE40426-002A	MOUNT BOLT			G299UR,S15J,G347BEE2,G347SEE2
A 17	VKZ4328-003	LOCK NUT			G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
A 18	QYWW53A008ZA	WASHER	0mm/5.3mm x		G299UR,S15J,G347BEE2,G347SEE2
A 19	GE40130-002A	HOOK	(x2)		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G299UR,S15J,G347BEE2,G347SEE2
A 20	RM-RK50C	REMOCON			G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,S15J
A 20	RM-RK50I	REMOCON			G396SUI
A 21	-----	BATTERY	3V		G140J,G240J,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,S15J
A 22	QYSDSP5008ZA	SCREW	M5 x 8mm(x4)		G396SUI,G245HUN
A 23	QAM1124-001	16PIN TO 20PIN			G396SUI
A 24	QAM1125-001	16PIN TO 12PIN			G396SUI
A 25	GET0222-001A	TAG CAUTION SH			S15J
A 26	GE40244-001A	BLIND PLATE			G245HUN
KIT	SRW-MA372	SCREW PARTS KIT	A15 A16 A17 A18 A19		
P 1	GE32879-002A	CARTON			G140J
P 1	GE32931-001A	CARTON			G240J
P 1	GE32934-001A	CARTON			G244UI
P 1	GE32883-001A	CARTON			G245U,G245UN,G245UT,G245UH
P 1	GE33200-001A	CARTON			G248UF
P 1	GE32876-002A	CARTON			G341E,G341EX,G341EY,G341EU
P 1	GE32910-001A	CARTON			G342E,G342EX,G342EY,G342EU
P 1	GE32913-001A	CARTON			G343E,G343EX,G343EY,G343EU
P 1	GE32919-001A	CARTON			G347SEE,G347SEE2
P 1	GE32916-001A	CARTON			G347BEE,G347BEE2
P 1	GE32940-001A	CARTON			G394UI
P 1	GE32886-002A	CARTON			G395U,G395UN,G395UT,G395UH
P 1	GE33057-001A	CARTON			G396U,G396UN,G396UT,G396UH
P 1	GE33201-001A	CARTON			G398UF
P 1	GE33258-002A	CARTON			G396SUI
P 1	GE33364-001A	CARTON			S15J
P 1	GE33665-001A	CARTON			G245HUN
P 2	GE10218-001A	EPS CUSHION			G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
P 2	GE10220-001A	EPS CUSHION			G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE
P 2	GE10237-001A	EPS CUSHION			G396SUI,S15J,G245HUN
P 2	GE10238-001A	EPS CUSHION			G347BEE2,G347SEE2
P 3	QPC03004315PB	POLY BAG	30cm x 43cm		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G396SUI,S15J,G347BEE2,G347SEE2,G245HUN
P 4	GE40276-003A	POLY BAG			G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
P 4	FSPG4002-001	POLY BAG			G396SUI
P 5	QPA00801205	POLY BAG	8cm x 12cm		G140J,G240J,G244UI,G245U,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,S15J,G347BEE2,G347SEE2,G245HUN
P 6	FSPG4002-001	POLY BAG	(x2)		G140J,G240J,G245U,G395U,G396U
P 6	FSPG4002-001	POLY BAG			G244UI,G245UN,G245UT,G245UH,G248UF,G341E,G341EX,G341EY,G341EU,G342E,G342EX,G342EY,G342EU,G343E,G343EX,G343EY,G343EU,G347SEE,G347BEE,G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,S15J,G347BEE2,G347SEE2,G245HUN
P 7	GE32320-001A	HARD CASE ASSY			G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF,G299UR,G347BEE2,G347SEE2
P 8	QPA01003003	POLY BAG	10cm x 30cm		G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
P 8	QPC01002515	POLY BAG	10cm x 25cm		G347BEE2,G347SEE2
P 9	QPC01002515	POLY BAG	10cm x 25cm		G394UI,G395U,G395UN,G395UT,G395UH,G396U,G396UN,G396UT,G396UH,G398UF
P 9	QPA01003003	POLY BAG	10cm x 30cm		G347BEE2,G347SEE2

JVC

SERVICE MANUAL

CD MECHANISM

FLM-CD2-1



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

1	PRECAUTION.....	1-2
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-4
3	DISASSEMBLY	1-5
4	ADJUSTMENT	1-14
5	TROUBLESHOOTING	1-14

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 performing 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

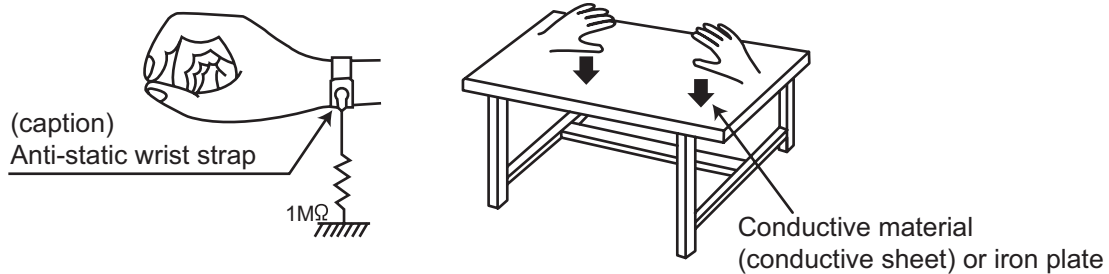
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(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.

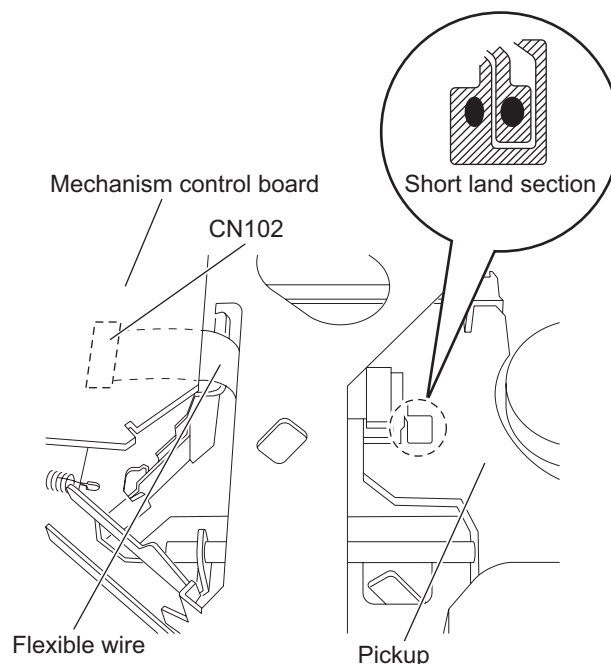
1.3 Handling the traverse unit (optical pickup)

- (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.

(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 nakyvälle ja/tai näkymättömälle luokan 1M lasersäteilylle. Älä tarkastele sitä optisen laitteen läpi.

ADVASEL: 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 diretamente com instrumentos ópticos.

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.

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

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 : 打开蓋板可能会产生可见或不可见的 1M 级鐳射。不要使用光学仪器直接进行窺視。

تنبيه: يوجد إشعاع ليزري مرئي و/أو غير مرئي من الفئة 1M عندما يكون الجهاز مفتوحاً. 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.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 CD MECHANISM assembly section

- Remove the CD MECHANISM assembly from the main body.

3.1.1 Removing the MECHANISM CONTROL BOARD assembly (See Fig.1 and 2)

- (1) From the bottom side of CD MECHANISM assembly, remove the solders from the soldered sections (**a**, **b** and **c**) on the MECHANISM CONTROL BOARD assembly. (See Fig.1.)
- (2) Remove the three screws **A** and one screw **B** attaching the MECHANISM CONTROL BOARD assembly. (See Fig.1.)
- (3) Solder the short land sections on the pickup. (See Fig.2.)

Caution:

- Solder the short land sections on the pickup before disconnecting the flexible wire from the connector [CN102](#) on the MECHANISM CONTROL BOARD assembly.
If the card wire is disconnected without attaching solder, the pickup may be destroyed by static electricity. (See Fig.2.)
- When attaching the MECHANISM CONTROL BOARD assembly, remove the solders from the short land sections after connecting the flexible wire to the connector [CN102](#) on the MECHANISM CONTROL BOARD assembly.

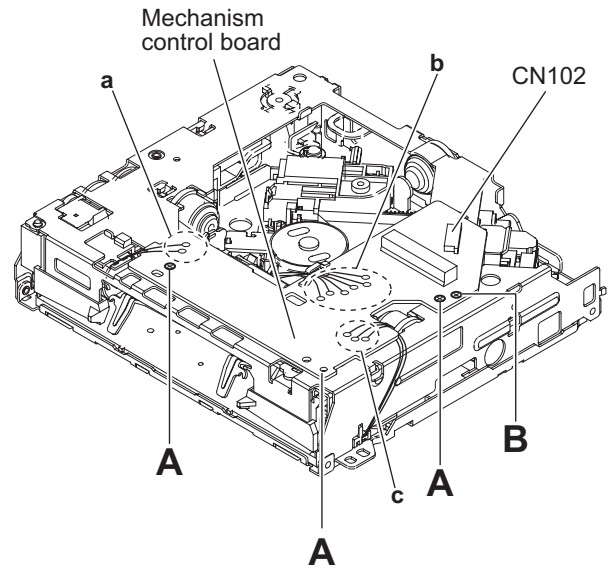


Fig.1

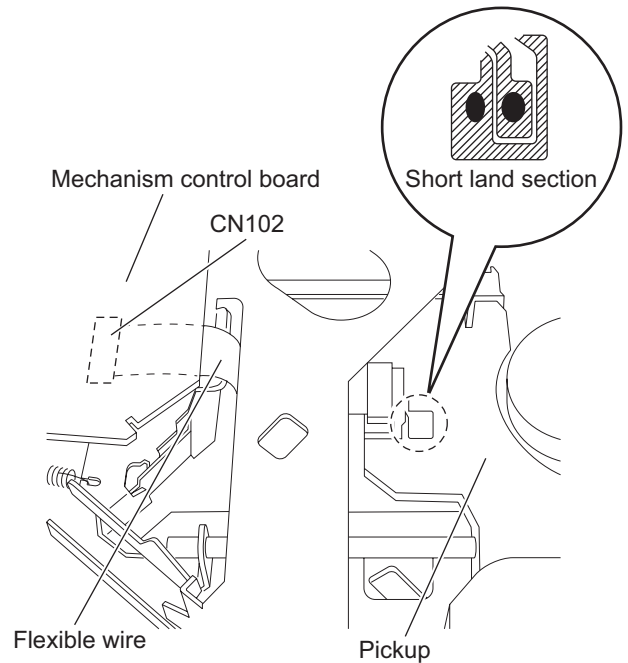
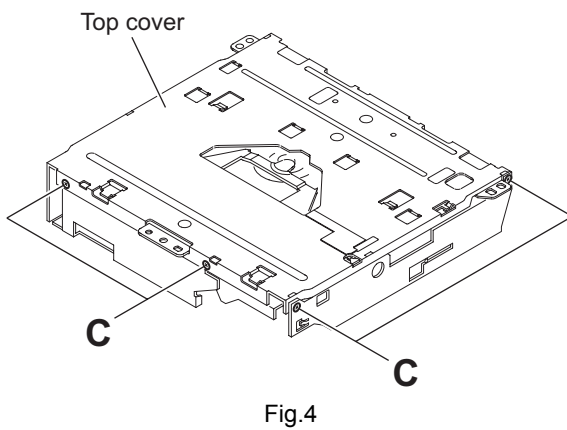
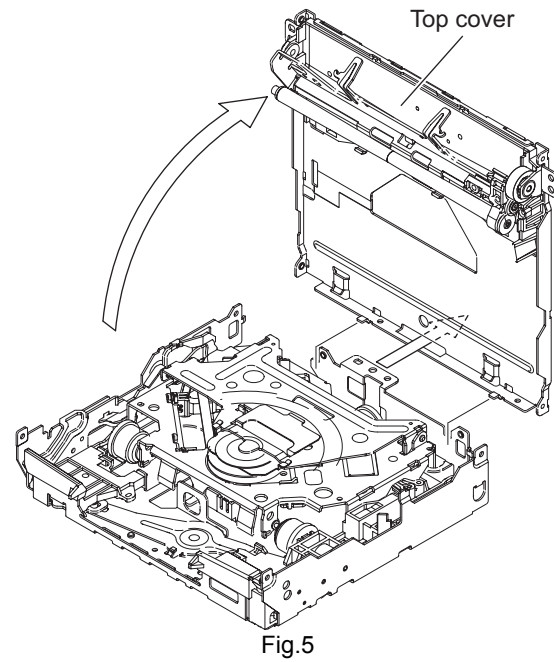
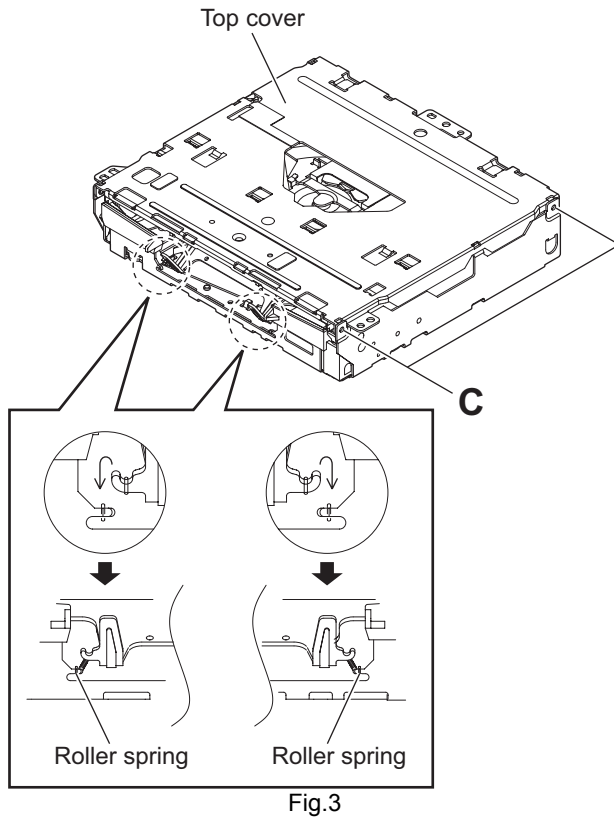


Fig.2

3.1.2 Removing the top cover (See Fig.3 to 5)

- Remove the MECHANISM CONTROL BOARD assembly.

- (1) From the front side of the CD MECHANISM assembly, change the hook position of the two roller springs. (See Fig.3.)
- (2) From the side of the CD MECHANISM assembly, remove the six screws **C** attaching the top cover. (See Fig.3 and 4.)
- (3) Take out the top cover in an upward direction. (See Fig.5.)



3.1.3 Removing the roller (See Fig.6)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.
- (1) From the bottom side of the top cover, remove the screw **D** attaching the gear holder.
- (2) Remove the R.holder assembly from disc plate, and then take out the roller from R.holder assembly in the direction of the arrow.

Reference:

When attaching the R.ACT gear (2) and R.ACT gear (3), apply grease to the section **d** of R.holder assembly.

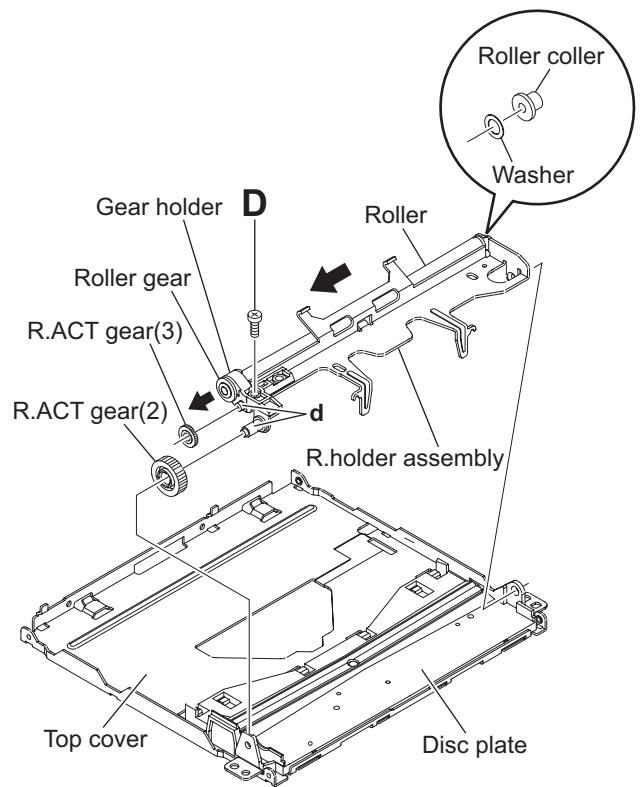


Fig.6

3.1.4 Removing the PHOTO BOARD assembly (See Fig.7 and 8)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.
- (1) From the bottom side of the top cover, release the projection **e** from the notch of the disc plate. (See Fig.7.)
- (2) Take out the disc plate in the direction of the arrow. (See Fig.7.)
- (3) From the reverse side of the disc plate, remove the screw **E** attaching the PHOTO BOARD assembly. (See Fig.8.)

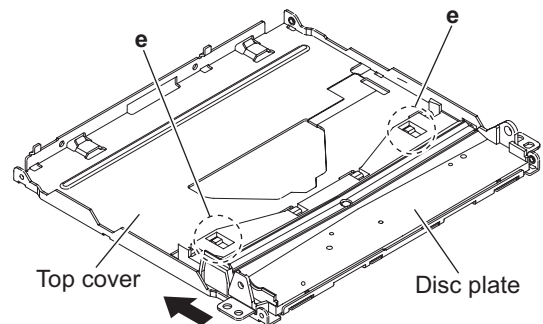


Fig.7

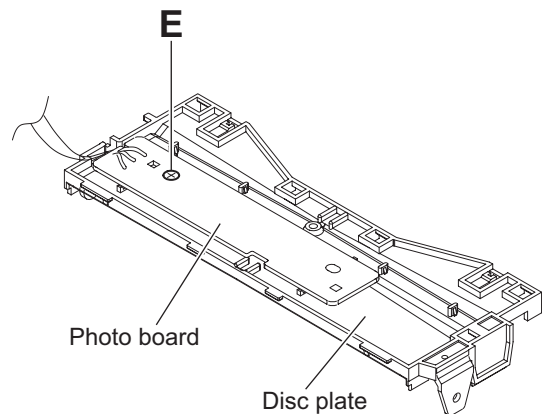


Fig.8

3.1.5 Removing the mechanism section (See Fig.9 and 10)

- Remove the MECHANISM CONTROL BOARD assembly and top cover.
- (1) From the top side of the CD MECHANISM assembly, remove the two screws **F** attaching the loading motor assembly. (See Fig.9.)
- (2) Remove the two roller springs on the top side of the mecha frame. (See Fig.9.)
- (3) Remove the four SUS springs on the top side of the mecha frame. (See Fig.9.)
- (4) Remove the link spring on the top side of the mecha frame. (See Fig.10.)
- (5) Release section **f** of the three dampers from the mecha frame. (See Fig.10.)

Reference:

When attaching the roller spring and SUS spring, keep direction before remove.

- (6) Move the slide cam (R) assembly in the direction of the arrow, and then take out the mechanism section in an upward direction. (See Fig.10.)

Reference:

When attaching the mechanism section, apply grease to the section **g**. (See Fig.10.)

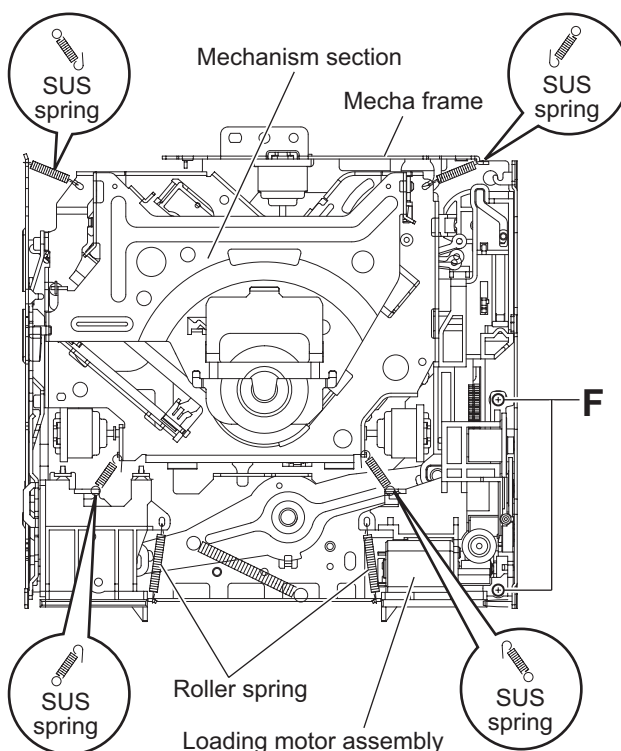


Fig.9

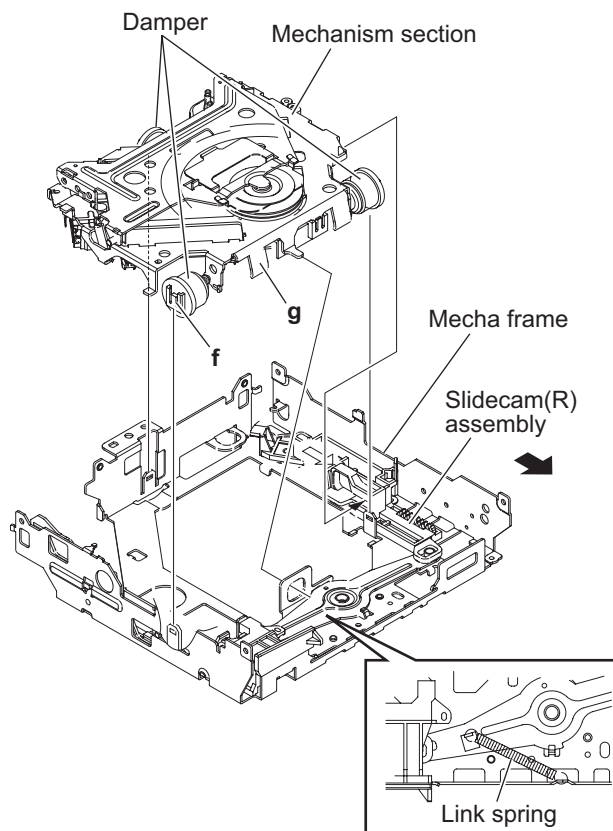


Fig.10

3.1.6 Removing the slide cam (L) (See Fig.11 to 13)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.

- (1) From the top side of the mecha frame, remove the screw **G** attaching the cam cover. (See Fig.11.)
- (2) Take out the cam cover from mecha frame in an upward direction. (See Fig.11.)
- (3) Take out the slide cam (L) in the direction of the arrow. (See Fig.12.)

Reference:

When attaching the slide cam (L), apply grease to the section **h**. (See Fig.13.)

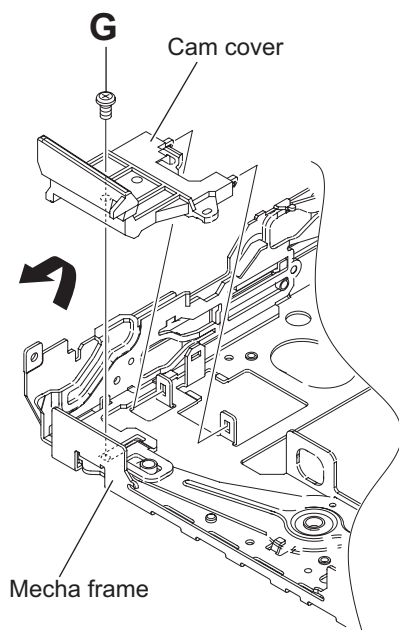


Fig.11

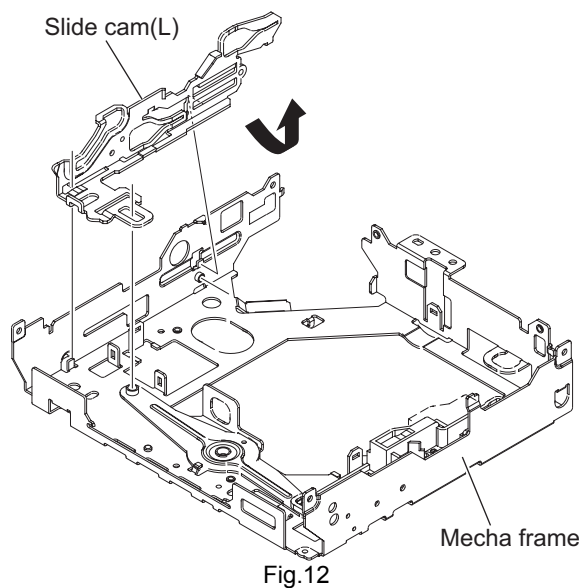


Fig.12

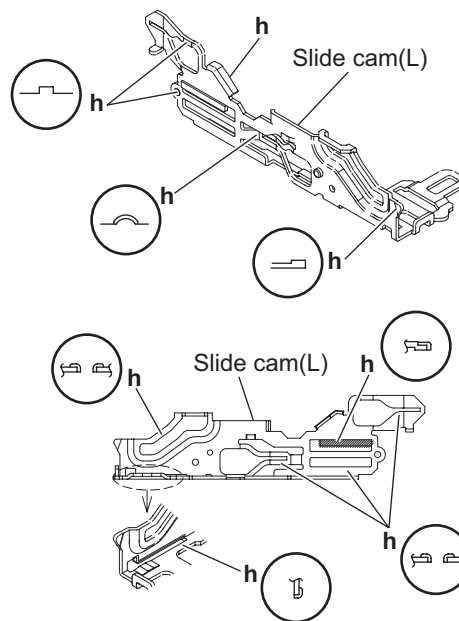


Fig.13

3.1.7 Removing the F.lock lever and slide cam (R) (See Fig.14 and 15)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.
 - From the top side of the mecha frame, take out the slide cam (R) assembly in an upward direction. (See Fig.14.)
 - Rotate the F.lock lever in the direction of the arrow 1, and then take out the direction of the arrow 2. (See Fig.14.)

Reference:

When attaching the slide cam (R) assembly, the f.lock lever and the link arm apply grease to the section **h**. (See Fig.14 and 15.)

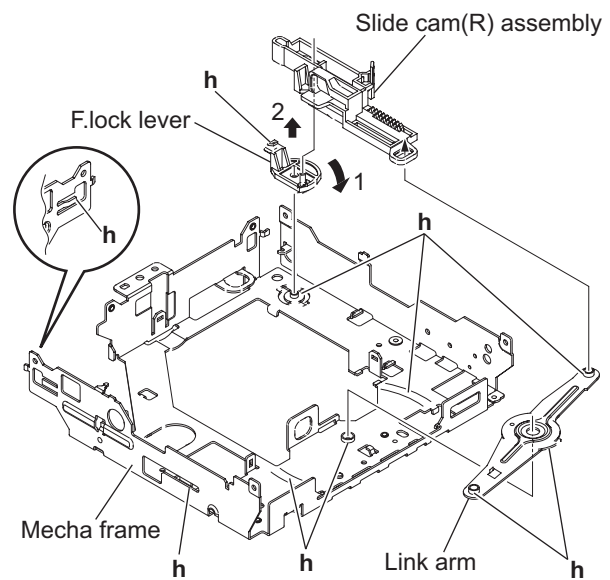


Fig.14

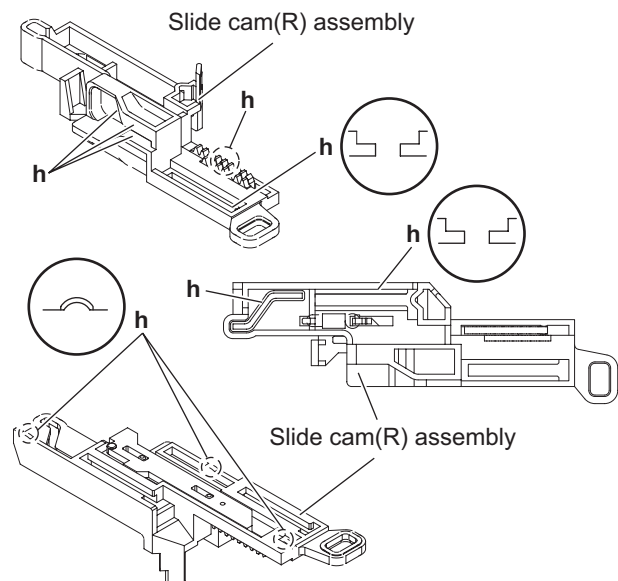


Fig.15

3.1.8 Removing the damper (See Fig.16)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.

From the mechanism section, pull out the three dampers in the direction of the arrow.

Reference:

Before inserting the shaft to the dampers, apply IPA to the pocket **j** of damper.

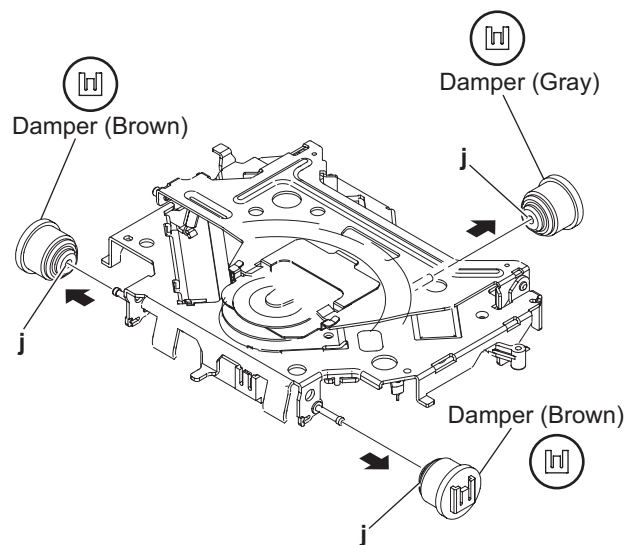


Fig.16

3.1.9 Removing the clamper assembly (See Fig.17)

- Remove the MECHANISM CONTROL BOARD assembly, top cover and mechanism section.
 - (1) From the top side of the mechanism section, release the clamper spring.
 - (2) Move the clamper assembly in the direction of the arrow, and then release the joints (**k** and **m**).
 - (3) Take out the clamper assembly from the T.M chassis assembly.

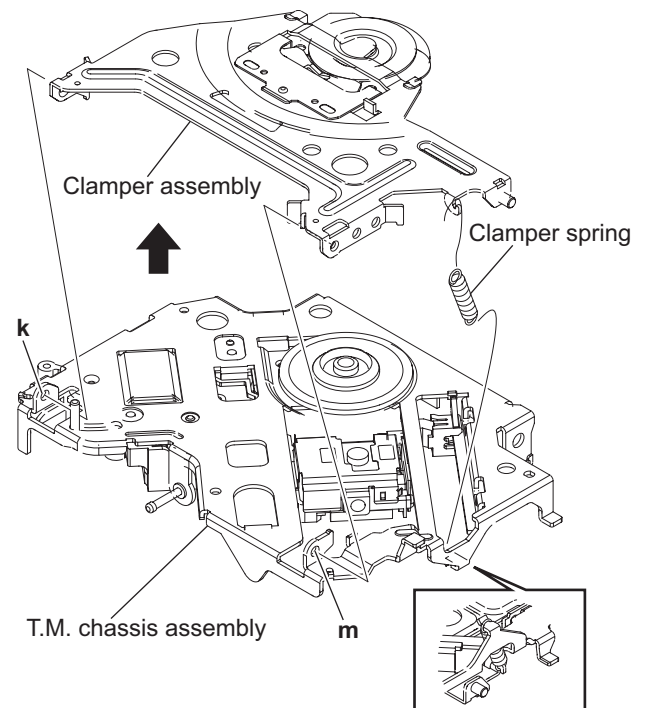


Fig.17

3.1.10 Removing the feed motor (See Fig.18 and 19)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section and clamber assembly.
 - From the bottom side of the T.M chassis assembly, remove the two screws **H** attaching the feed motor assembly. (See Fig.18.)
 - Remove the two screws **J** attaching the feed motor to f.motor holder. (See Fig.19.)

Reference:

When attaching the f. wheel gear, trigger arm and feed motor, apply grease to the sections (**n**, **p** and **q**). (See Fig.18 and 19.)

3.1.11 Removing the SWITCH BOARD assembly (See Fig.18)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamber assembly and feed motor assembly.

From the bottom side of the T.M chassis assembly, take out the SWITCH BOARD assembly in an upward direction from T.M chassis assembly.

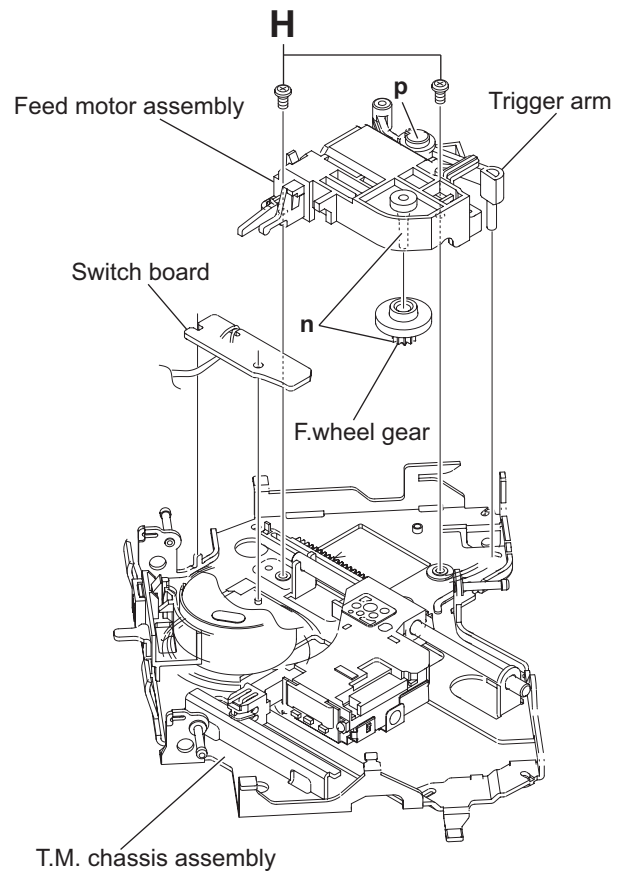


Fig.18

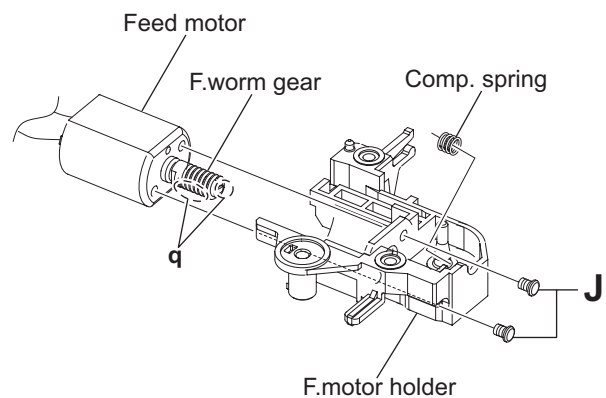


Fig.19

3.1.12 Removing the loading motor (See Fig.20)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section and clamber assembly.
 - From the right side of the L.M base assembly, remove the two screws **K** attaching the loading motor.
 - Take out the loading motor in the direction of the arrow from the L.M base assembly.

Reference:

When attaching the loading motor, apply grease to the section **r**.

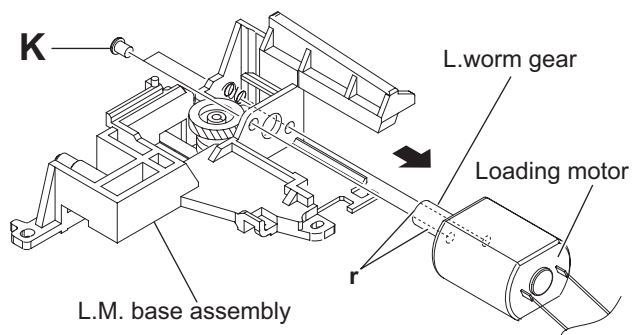


Fig.20

3.1.13 Removing the pickup assembly (See Fig.21 to 22)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamper assembly and feed motor assembly.

Caution:

- Do not touch section **u** on the pickup assembly. (See Fig.21 and 22.)
- From the bottom side of the T.M chassis assembly, move the pickup assembly in the direction of the arrow from the T.M chassis assembly. (See Fig.21.)
 - Pull out the main shaft. (See Fig.21.)
 - Remove the screw **M** attaching the pickup to the rack plate. (See Fig.22.)

Reference:

When attaching the loading motor, apply grease to the sections **s** and **t**. (See Fig.21.)

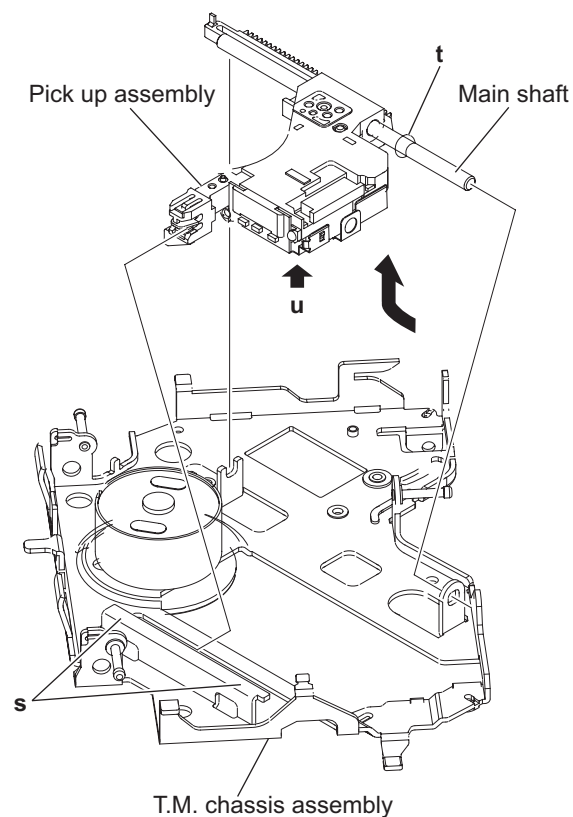


Fig.21

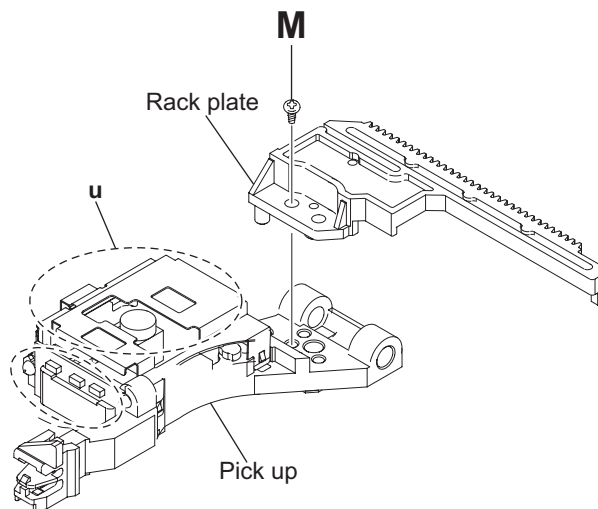


Fig.22

3.1.14 Removing the spindle motor (See Fig.23 and 24)

- Remove the MECHANISM CONTROL BOARD assembly, top cover, mechanism section, clamper assembly, feed motor assembly and pickup assembly.
 - From the top side of the T.M chassis assembly, remove the CD T.table assembly from the spindle motor. (See Fig.23.)
 - Remove the two screws **N** attaching the spindle motor. (See Fig.23.)
 - Take out the spindle motor from the bottom side of the T.M chassis assembly. (See Fig.23.)

Reference:

When attaching the CD T.table assembly to the spindle motor shaft, apply loctite 460 to inside the CD T.table assembly. (See Fig.24.)

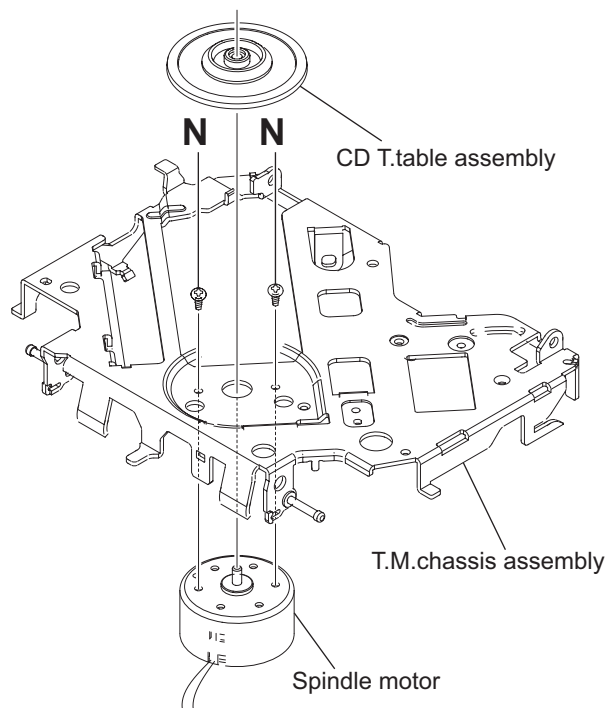


Fig.23

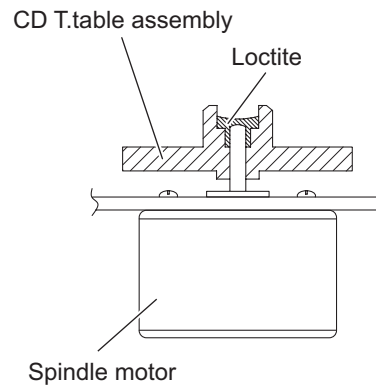


Fig.24

SECTION 4 ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



JVC

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

(No.MY007)



Printed in Japan
VPT

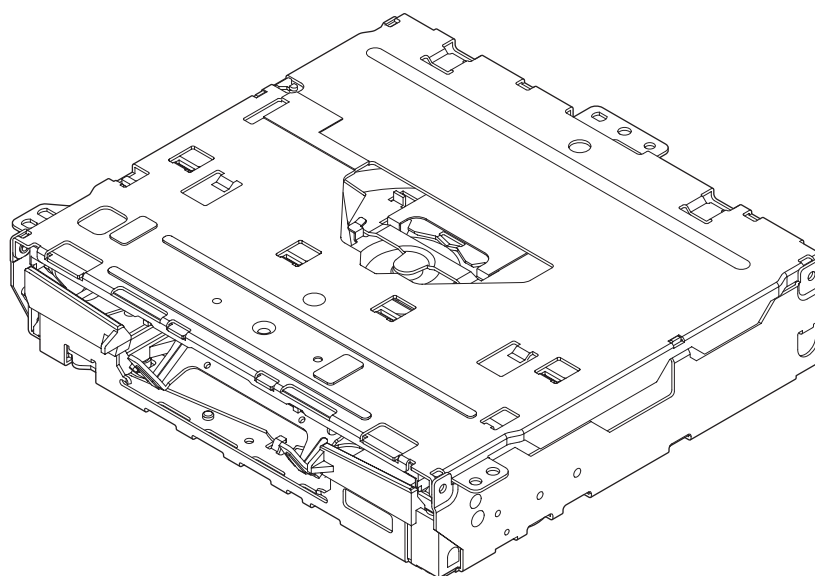
JVC

SCHEMATIC DIAGRAMS

CD MECHANISM

FLM-CD2-1

CD-ROM No.SML200709



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

Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-3

Safety precaution

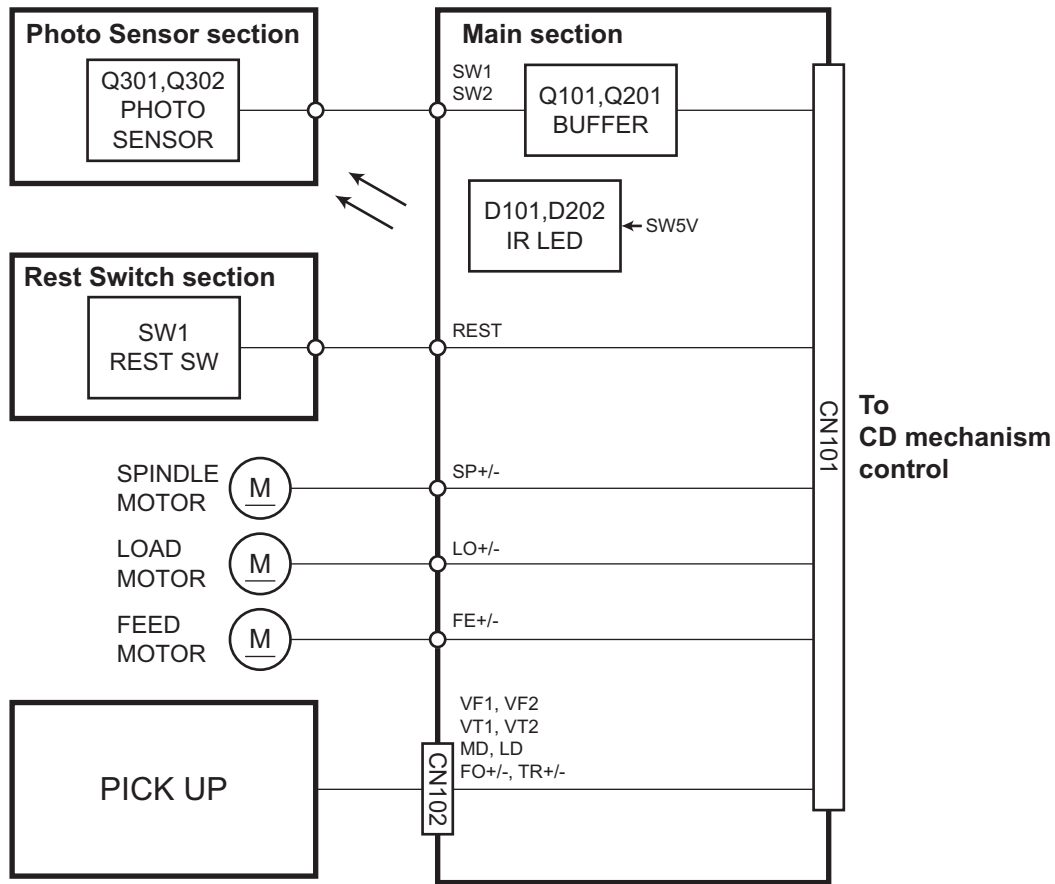


CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.



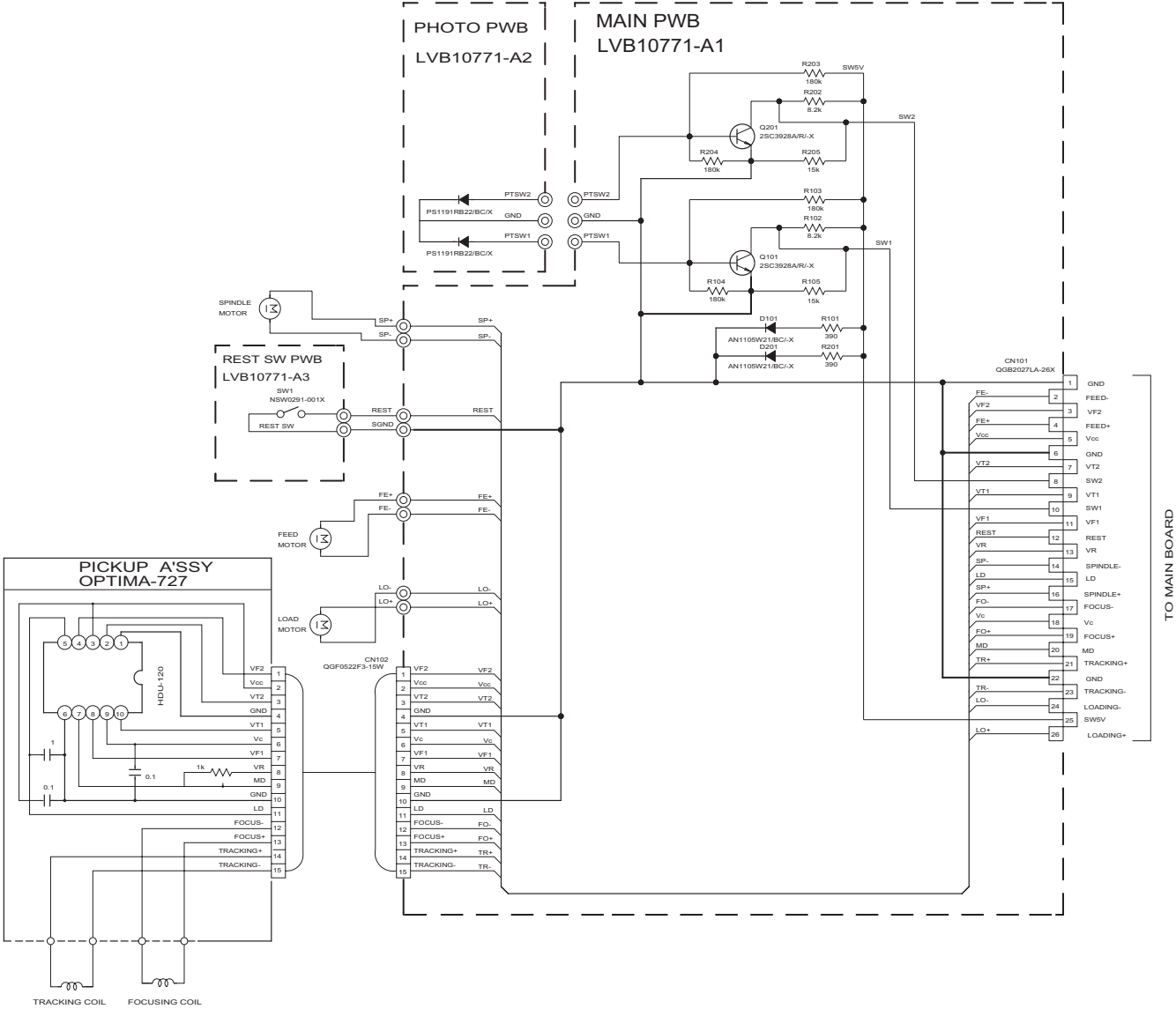
CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram



Standard schematic diagram

■ Mecha control section

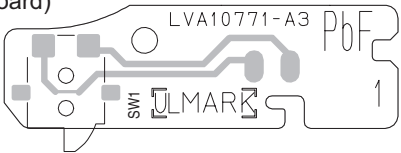


Prited circuit board

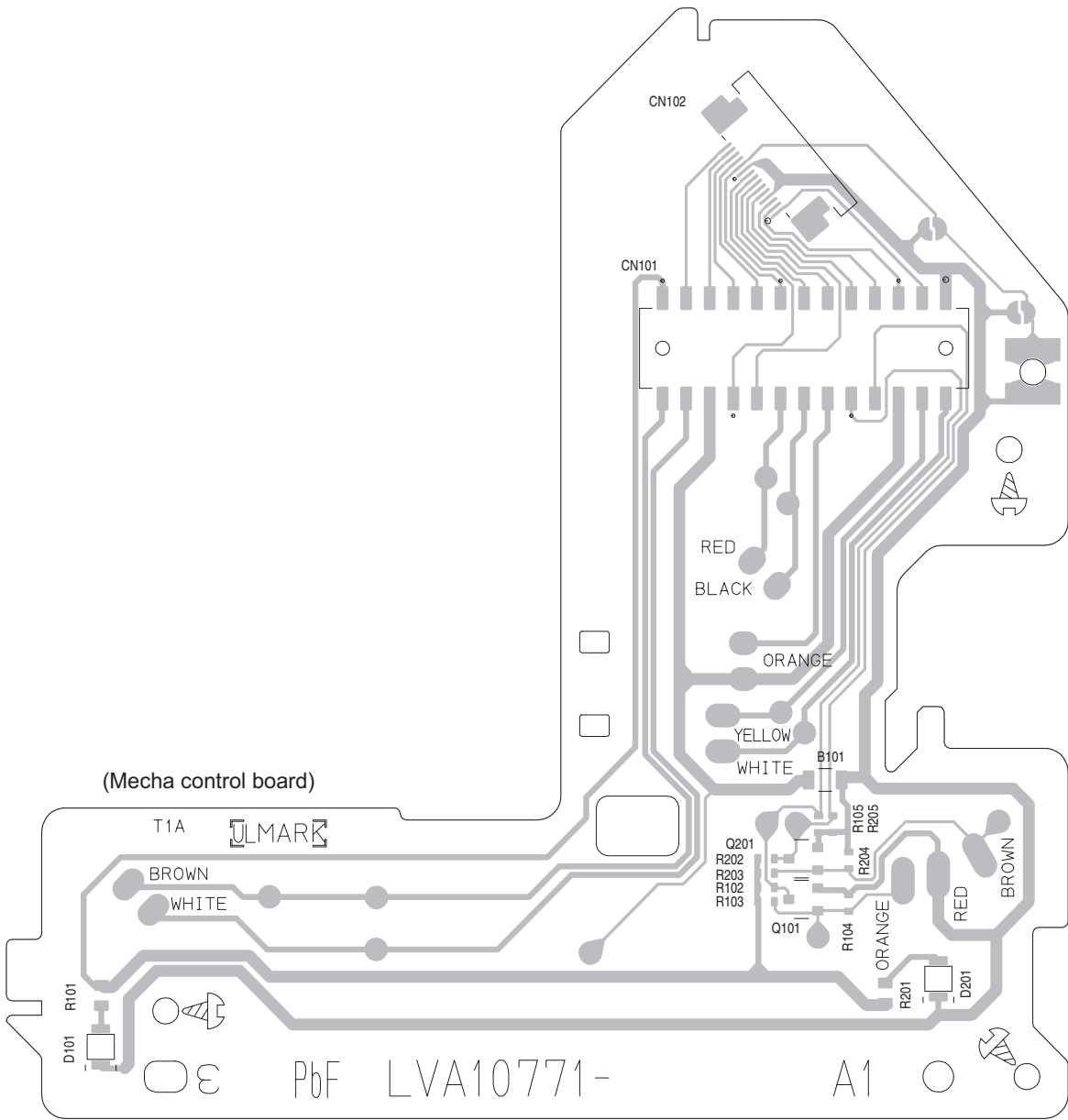
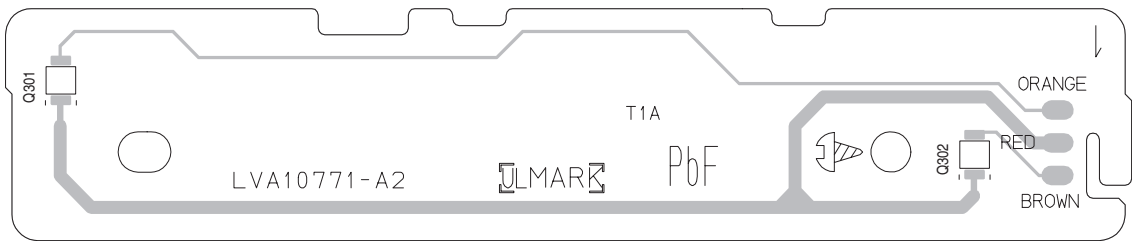
■ Mecha control board

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

(Reset switch board)



(Photo board)





Victor Company of Japan, Limited

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

(No.MY007SCH)



Printed in Japan
VPT

PARTS LIST

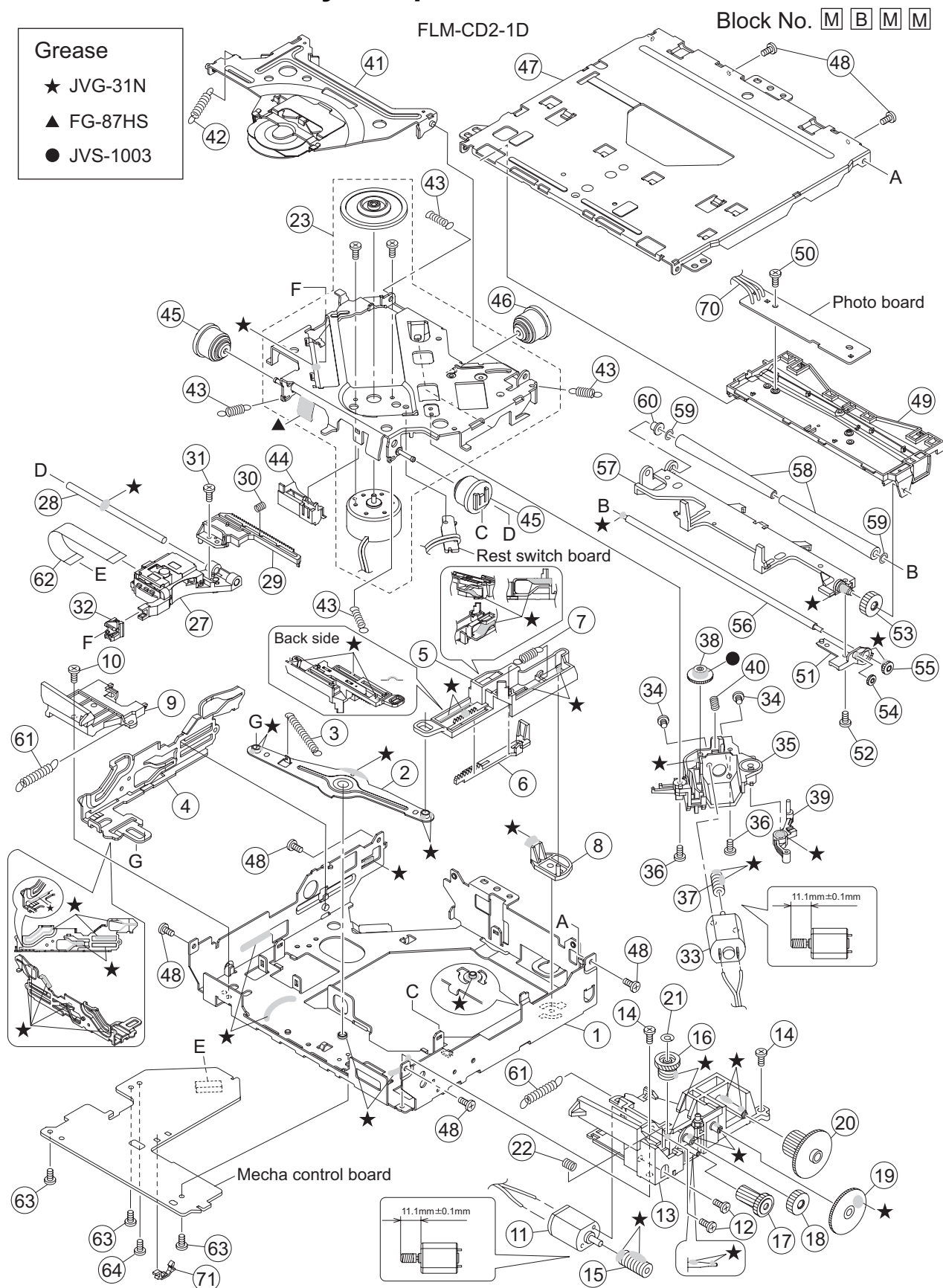
FLM-CD2-1

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

- Contents -

CD mechanism assembly and parts list (Block No.MB)	3-2
Electrical parts list (Block No.01)	3-5

CD mechanism assembly and parts list



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	LV11256-001A	MECHA FRAME		
	2	LV36800-001A	LINK ARM		
	3	LV44658-001A	LINK SPRING		
	4	LV22300-001A	SLIDE CAM(L)		
	5	LV22298-002A	SLIDE CAM(R)		
	6	LV36802-001A	LOAD RACK		
	7	LV44552-001A	RETURN SPRING		
	8	LV36803-002A	F LOCK LEVER		
	9	LV36804-002A	CAM COVER		
	10	VKZ4539-054	MINI SCREW		
	11	QAR0373-002	MOTOR		
	12	QYSPSPT2025MA	SCREW	M2 x 2.5mm(x2)	
	13	LV36903-002A	L.M.BASE ASSY		
	14	VKZ4539-054	MINI SCREW	(x2)	
	15	LV36806-001A	L.WORM GEAR		
	16	LV36805-001A	M WHEEL GEAR		
	17	LV36807-001A	A WHEEL GEAR		
	18	LV36808-001A	R.ACT GEAR(1)		
	19	LV36809-001A	LOAD ACT GEAR		
	20	LV36810-001A	LOADING GEAR		
	21	QYWDL1230250	SLIT WASHER	3mm/1.2mm x 0.25mm	
	22	LV44589-002A	COMPRESSION SPRING		
	23	CM-FLMCD1D	SPINDLE MOTOR ASSY		
	27	QAL0993-001	PICK UP		
	28	LV44555-001A	MAIN SHAFT		
	29	LV36799-001A	RACK PLATE		
	30	LV44640-001A	RACK SPRING		
	31	QYSPSGT1745ZA	TAP SCREW	M1.7 x 4.5mm	
	32	LV36813-001A	SUB GUIDE CAP		
	33	QAR0144-003	MOTOR	2.0V DC	
	34	QYSPSPT2025MA	SCREW	M2 x 2.5mm(x2)	
	35	LV22296-001A	F.MOTOR HOLDER		
	36	VKZ4539-054	MINI SCREW	(x2)	
	37	LV36814-001A	F.WORM GEAR		
	38	LV36815-001A	F.WHEEL GEAR		
	39	LV36816-001A	TRIGGER ARM		
	40	LV44589-002A	COMPRESSION SPRING		
	41	LV37326-001A	CLAMPER ASSY		
	42	LV44557-002A	CLAMPER SPRING		
	43	LV44558-001A	SUS SPRING	(x4)	
	44	LV36820-001A	WIRE HOLDER		
	45	LV36904-001A	DAMPER	(x2)	
	46	LV37061-001A	DAMPER		
	47	LV11260-002A	TOP COVER		
	48	VKZ4539-054	MINI SCREW	(x6)	
	49	LV11264-003A	DISC PLATE		
	50	LV44586-001A	SPECIAL SCREW		
	51	LV36801-001A	GEAR HOLDER		
	52	VKZ4539-054	MINI SCREW		
	53	LV36821-001A	R.ACT GEAR(2)		
	54	LV36822-001A	R.ACT GEAR(3)		
	55	LV36823-001A	ROLLER GEAR		
	56	LV44559-002A	ROLLER SHAFT		
	57	LV22325-001A	R.HOLDER ASSY		
	58	LV44560-001A	ROLLER	(x2)	
	59	LV44590-001A	WASHER	(x2)	
	60	LV44561-001A	ROLLER COLLAR		
	61	LV44562-002A	ROLLER SPRING	(x2)	
	62	QAL0817-003	FPC		
	63	VKZ4539-054	MINI SCREW	(x3)	
	64	VKZ4539-054	MINI SCREW		
	70	WJS0085-001A-E	E-FL/RB WIRE		
	71	LV34916-001A	WIRE CLAMP		

<MEMO>

Electrical parts list

Mecha control board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
Q101	2SC3928A/R/-X	TRANSISTOR		
Q201	2SC3928A/R/-X	TRANSISTOR		
Q301	PS1191RB22/BC/X	PHOTO TRANSISTOR		
Q302	PS1191RB22/BC/X	PHOTO TRANSISTOR		
D101	AN1105W21/AB/-X	IR LED		
D201	AN1105W21/AB/-X	IR LED		
R101	NRSA02J-391X	MG RESISTOR	390\$ 1/10W J	
R102	NRSA63J-822X	MG RESISTOR	8.2k\$ 1/16W J	
R103	NRSA63J-184X	MG RESISTOR	180k\$ 1/16W J	
R104	NRSA63J-184X	MG RESISTOR	180k\$ 1/16W J	
R105	NRSA63J-153X	MG RESISTOR	15k\$ 1/16W J	
R201	NRSA02J-391X	MG RESISTOR	390\$ 1/10W J	
R202	NRSA63J-822X	MG RESISTOR	8.2k\$ 1/16W J	
R203	NRSA63J-184X	MG RESISTOR	180k\$ 1/16W J	
R204	NRSA63J-184X	MG RESISTOR	180k\$ 1/16W J	
R205	NRSA63J-153X	MG RESISTOR	15k\$ 1/16W J	
CN101	QGB2027LA-26X	CONNECTOR	B-B (1-26)	
CN102	QGF0522F3-15W	CONNECTOR	FFC/FPC (1-15)	
SW1	NSW0291-001X	DETECT SWITCH		