

JVC

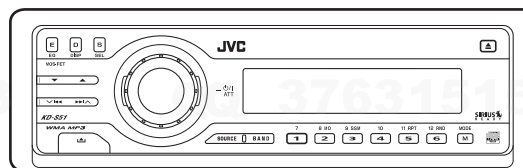
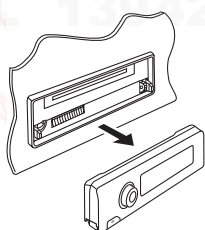
SERVICE MANUAL

CD RECEIVER

KD-S51

Area suffix

J ----- Northern America



SIRIUS
READY

MP3
WMA

COMPACT
disc
DIGITAL AUDIO
TEXT



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SPECIFICATION

AUDIO AMPLIFIER SECTION		
Power Output		20 W RMS $\times$ 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	$\pm$ 10 dB at 100Hz
	Treble	$\pm$ 10 dB at 10kHz
Frequency Response		40 Hz to 20 000 Hz
Line-Out Level/Impedance		2.5 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
Subwoofer-Out Level/Impedance		2.0 V/20 k Ω load (full scale)
Other Terminals		CD changer
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 107.9 MHz (with channel interval set to 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 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	35 dB
	Capture Ratio	1.5 dB
[AM Tuner]	Sensitivity	20 μ V
	Selectivity	35 dB
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format		MPEG1/2 Audio Layer 3 Max. Bit Rate : 320 kbps
WMA (Windows Media Audio) Decoding Format		Max. Bit Rate : 192 kbps
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 $\times$ H $\times$ D)	Installation Size (approx.)	182 mm $\times$ 52 mm $\times$ 150 mm (7-3/16" $\times$ 2-1/16" $\times$ 5-15/16")
	Panel Size (approx.)	188 mm $\times$ 58 mm $\times$ 11 mm (7-7/16" $\times$ 2-5/16" $\times$ 7/16")
Mass (approx.)		1.5 kg (3.4 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

SECTION 1 PRECAUTIONS

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 CD players.

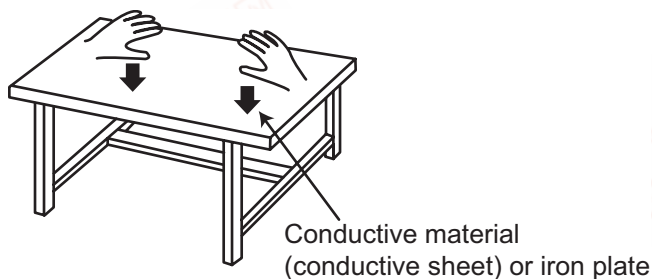
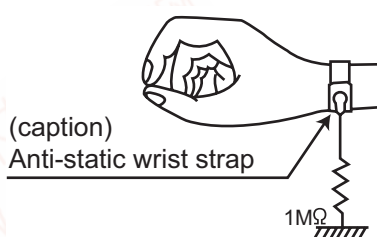
Be careful to use proper grounding in the area where repairs are being performed.

(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.

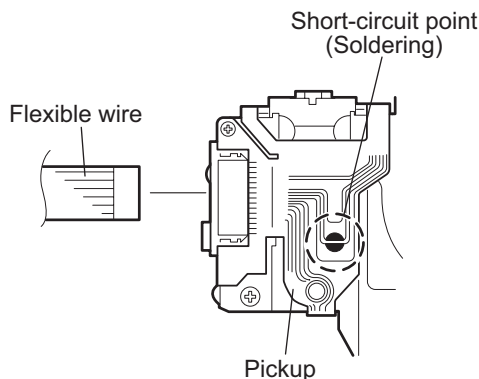
1.3 Handling the traverse unit (optical pickup)

- (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 CD pickup unit.**

- Apply solder to the short land before the flexible wire is disconnected from the connector on the CD pickup unit. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land after connecting the flexible wire.

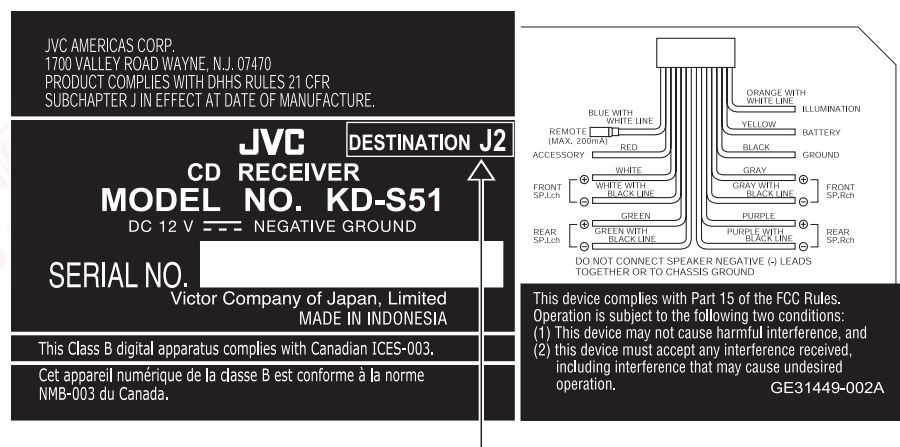


SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 HOW TO IDENTIFY MODELS

2.1.1 NAME PLATE



Discernment sign

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Removing the front panel assembly (See Fig.1)

- (1) Push the detach button in the lower right part of the front panel assembly and remove the front panel assembly.
- (2) Take out the front panel assembly.

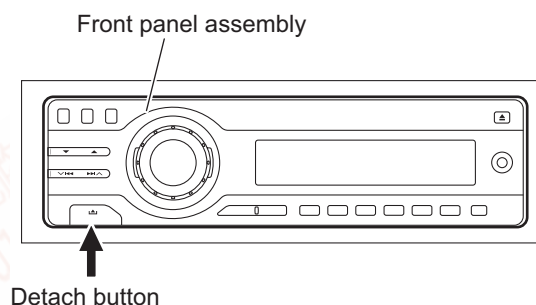


Fig.1

3.1.2 Removing the bottom cover (See Fig.2)

- (1) Turn the main body up side down.
- (2) Insert a screwdriver under the joints to release the two joints **a** on the left side, two joints **b** on the right side and joint **c** on the back side of the main body, then remove the bottom cover from the main body.

CAUTION:

When releasing the joints using a screwdriver, do not damage the main board.

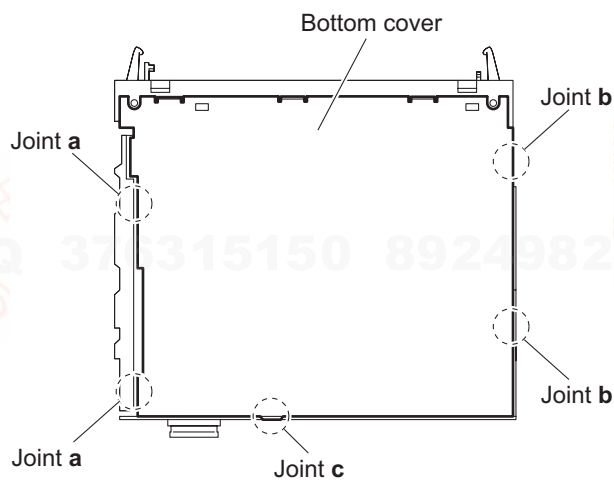


Fig.2

3.1.3 Removing the front chassis assembly

(See Figs.3 and 4)

- Prior to performing the following procedures, remove the front panel assembly and bottom cover.
- (1) Remove the two screws **A** on the both sides of the main body. (See Fig.3)
- (2) Remove the two screws **B** on the front side of the main body. (See Fig.4)
- (3) Release the two joints **d** and two joints **e** on the both sides of the main body, then remove the front chassis assembly forward. (See Fig.3)

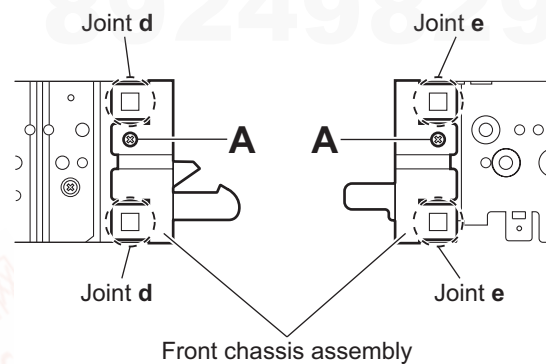


Fig.3

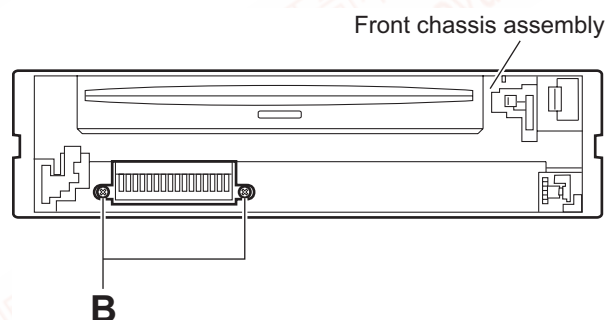


Fig.4

3.1.4 Removing the side panel

(See Fig.5)

Reference:

Remove the front panel assembly as required. (Refer to "3.1.1 Removing front panel assembly")

- (1) Remove the two screws **C** and screw **D** attaching the side panel on the left side of the main body.
- (2) Take out the side panel from the main body.

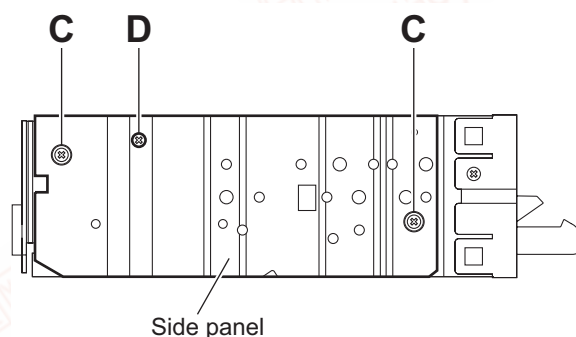


Fig.5

3.1.5 Removing the rear bracket

(See Fig.6)

- Prior to performing the following procedure, remove the bottom cover.
- (1) Remove the three screws **E**, three screws **F** and three screws **G** attaching the rear bracket on the back side of the main body.
- (2) Take out the rear bracket.

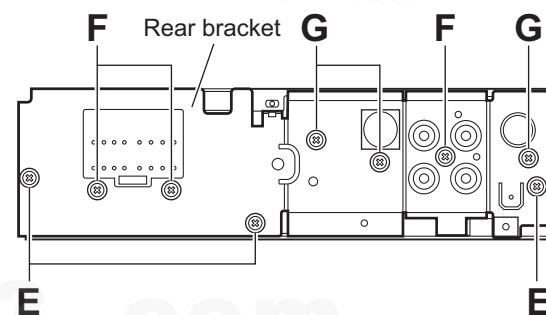


Fig.6

3.1.6 Removing the main board (See Fig.7)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, side panel, bottom cover and rear bracket.
 - Remove the two screws **H** attaching the main board.
 - Disconnect the connector **CN501** and take out the main board.

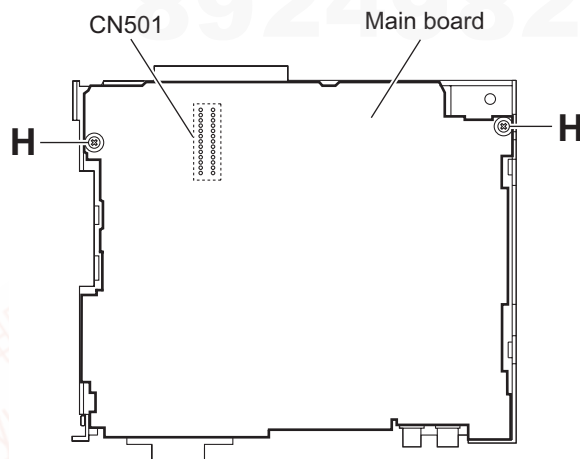


Fig.7

3.1.7 Removing the CD mecha control board (See Fig.8)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, side panel, bottom cover, rear bracket and main board.
 - Disconnect the card wire from the connector **CN601** on the CD mecha control board.
 - Remove the five screws **J** attaching the CD mecha control board.
 - Release the claw **f**, and take out the CD mecha control board.

Reference:

When attaching the CD mecha control board, attach it to the claw **f** and pass the slot **g** of it into the boss of the CD mechanism assembly.

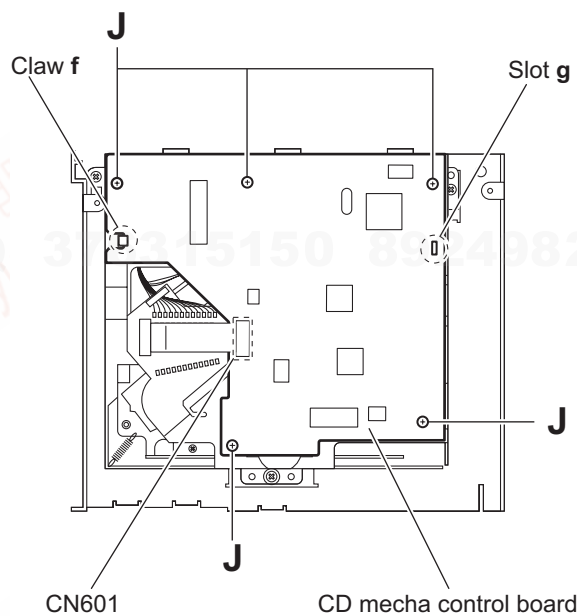


Fig.8

3.1.8 Removing the CD mechanism assembly (See Fig.9)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, side panel, bottom cover, rear bracket, main board and CD mecha control board.
- (1) Remove the three screws **K** attaching the top chassis.
- (2) Take out the CD mechanism assembly.

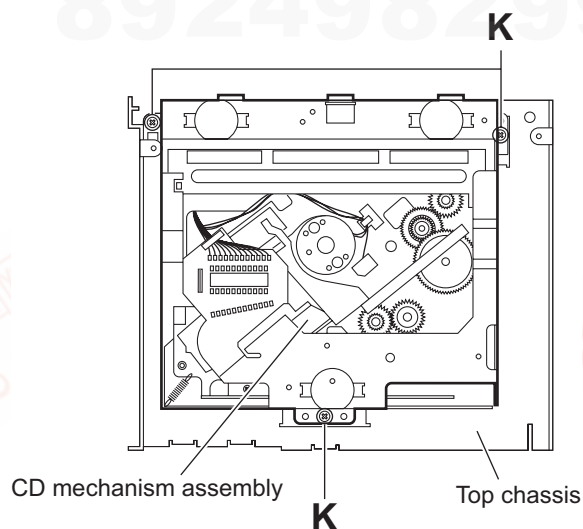


Fig.9

3.1.9 Removing the front board (See Figs.10 to 12)

- Prior to performing the following procedure, remove the front panel assembly.
- (1) Remove the five screws **L** attaching the front panel assembly. (See Fig.10)
- (2) Release the nine joints **h**, and take out the rear cover. (See Fig.11)
- (3) Take out the front board. (See Fig.12)

NOTE:

When removing the rear cover assembly and switch board, be careful not to lose the compression spring and comp. spring. (See Fig.12)

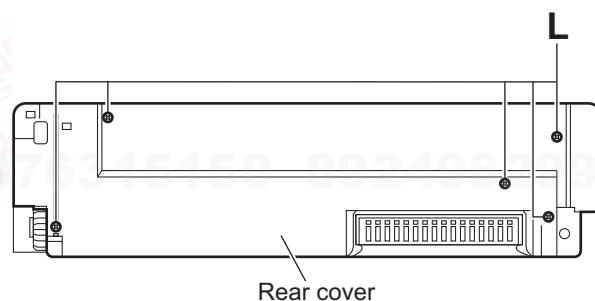


Fig.10

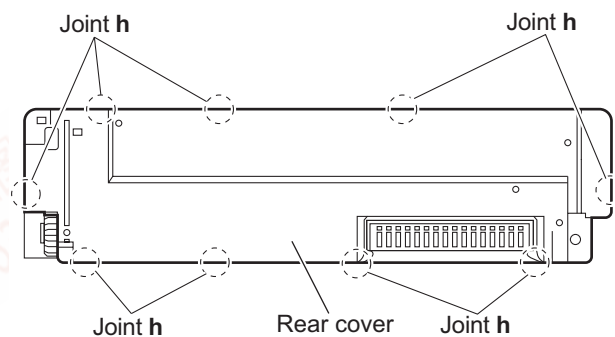


Fig.11

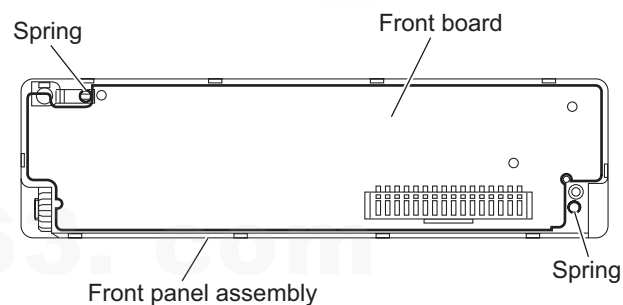


Fig.12

3.2 CD Mechanism section

3.2.1 Removing the top cover

(See Figs.1 and 2)

- (1) Remove the four screws **A** on the both side of the body.
- (2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**.

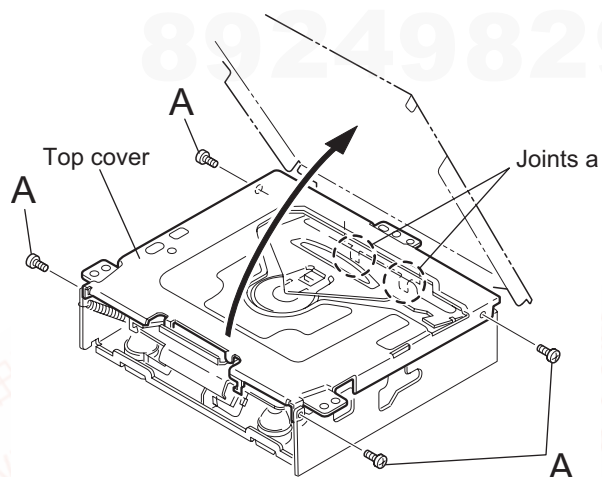


Fig.1

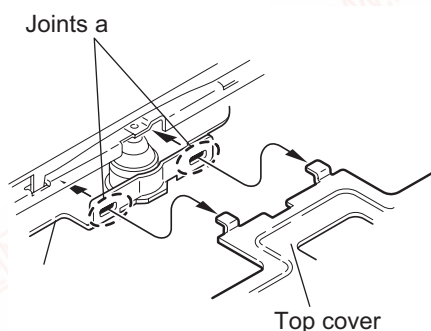


Fig.2

3.2.2 Removing the connector board (See Figs.3 to 5)

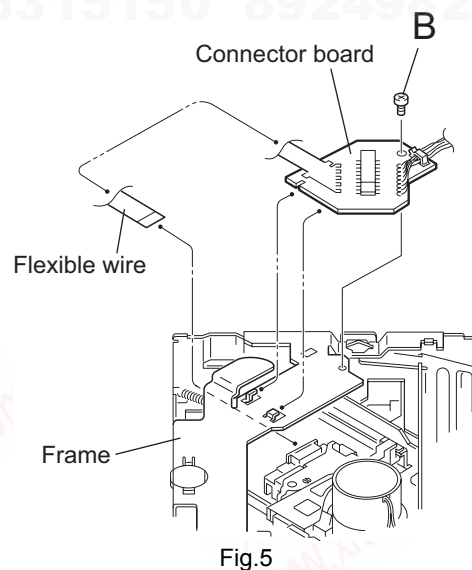
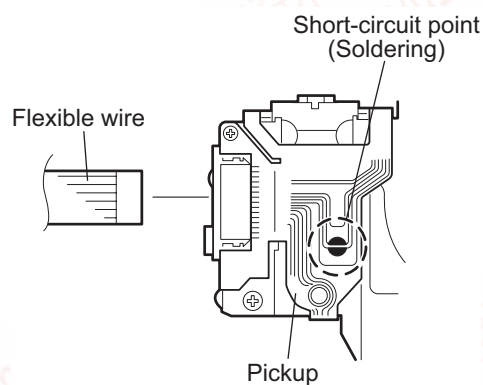
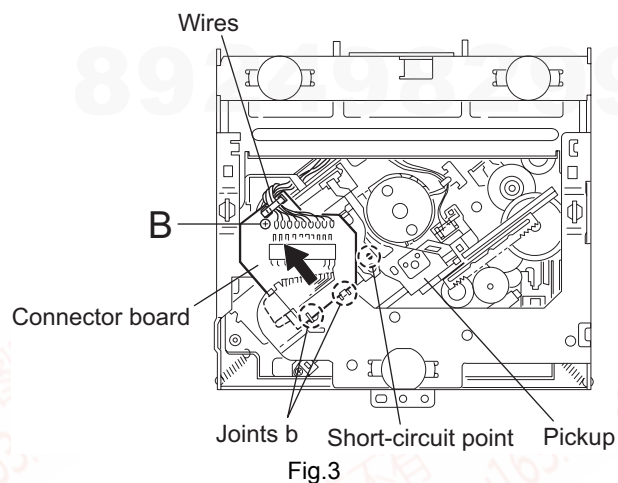
CAUTION:

Before disconnecting the flexible wire from the pickup, solder the short-circuit point on the pickup. No observance of this instruction may cause damage of the pickup.

- (1) Remove the screw **B** fixing the connector board.
- (2) Solder the short-circuit point on the pickup.
- (3) Disconnect the flexible wire from the pickup.
- (4) Move the connector board in the direction of the arrow to release the two joints **b**.
- (5) Unsolder the wires on the connector board if necessary.

CAUTION:

Unsolder the short-circuit point after reassembling.



3.2.3 Removing the DET switch (See Figs.6 and 7)

- (1) Extend the two tabs c of the feed sw. holder and pull out the switch.
- (2) Unsolder the DET switch wire if necessary.

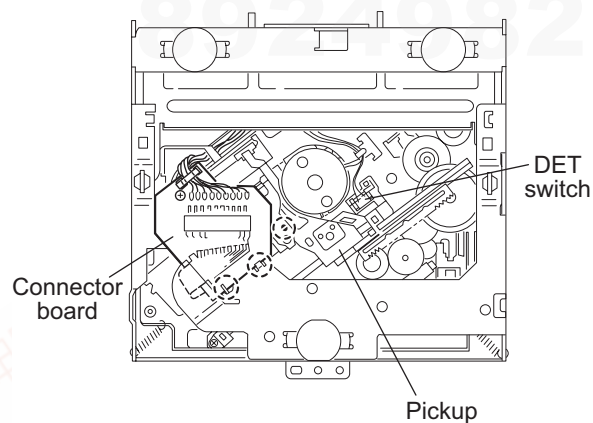


Fig.6

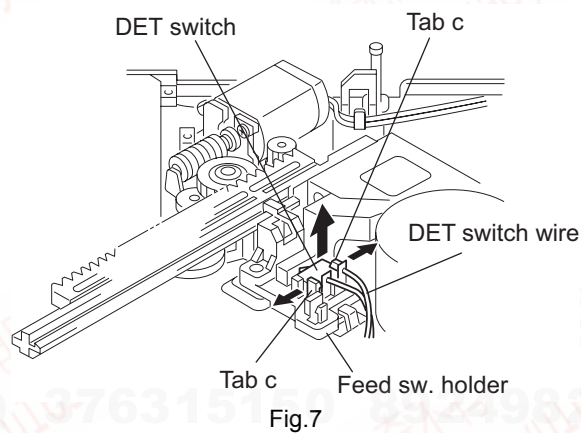


Fig.7

3.2.4 Removing the chassis unit (See Figs.8 and 9)

- Prior to performing the following procedure, remove the top cover and connector board.
- (1) Remove the two suspension springs (L) and (R) attaching the chassis unit to the frame.

CAUTION:

- The shape of the suspension spring (L) and (R) are different. Handle them with care.
- When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly.

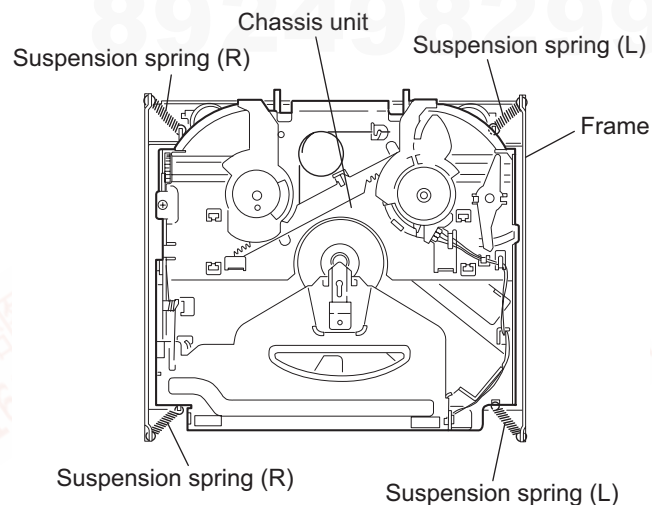


Fig.8

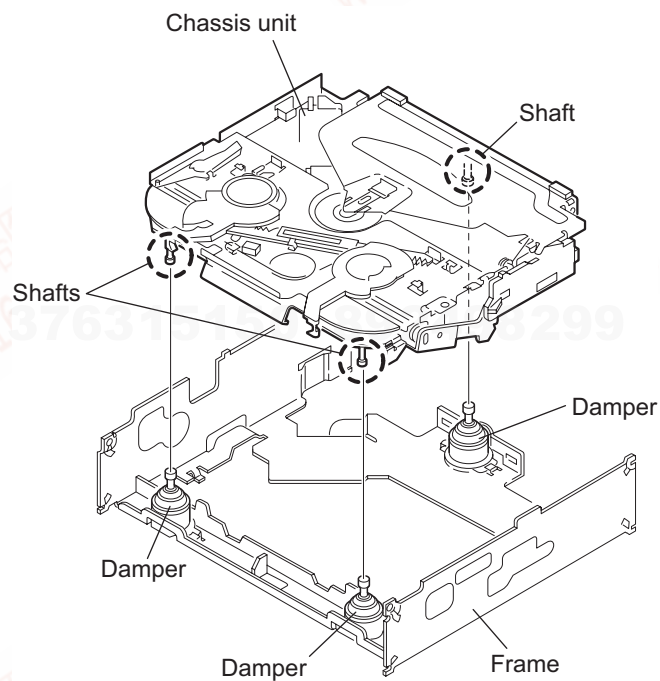


Fig.9

3.2.5 Removing the clamper assembly (See Figs.10 and 11)

- Prior to performing the following procedure, remove the top cover.
 - (1) Remove the clamper arm spring.
 - (2) Move the clamper assembly in the direction of the arrow to release the two joints d.

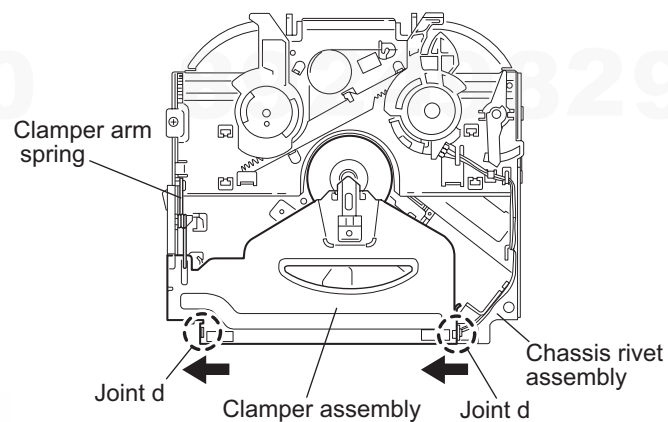


Fig.10

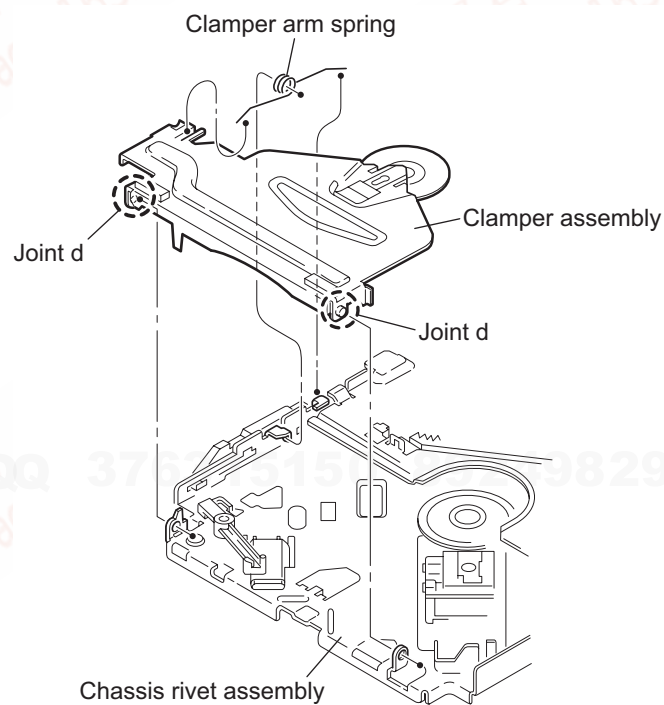


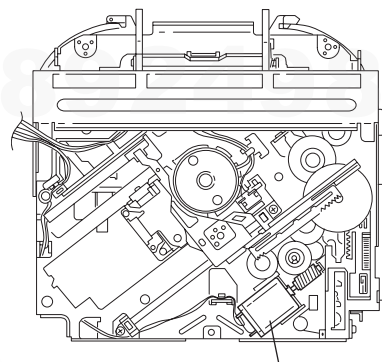
Fig.11

3.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
- (1) Remove the screw **C** and move the loading / feed motor assembly in the direction of the arrow to remove it from the chassis rivet assembly.
- (2) Disconnect the wire from the loading / feed motor assembly if necessary.

CAUTION:

When reassembling, connect the wire from the loading / feed motor assembly to the flame as shown in Fig.12.



Loading / feed motor assembly

Fig.12

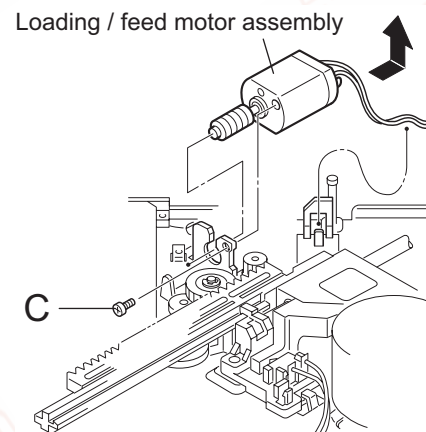


Fig.13

3.2.7 Removing the pickup unit (See Figs.14 to 18)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
- (1) Remove the screw **D** and pull out the pu. shaft holder from the pu. shaft.
- (2) Remove the screw **E** attaching the feed sw. holder.
- (3) Move the part **e** of the pickup unit upward with the pu. shaft and the feed sw. holder, then release the joint **f** of the feed sw. holder in the direction of the arrow. The joint **g** of the pickup unit and the feed rack is released, and the feed sw. holder comes off.
- (4) Remove the pu. shaft from the pickup unit.
- (5) Remove the screw **F** attaching the feed rack to the pickup unit.

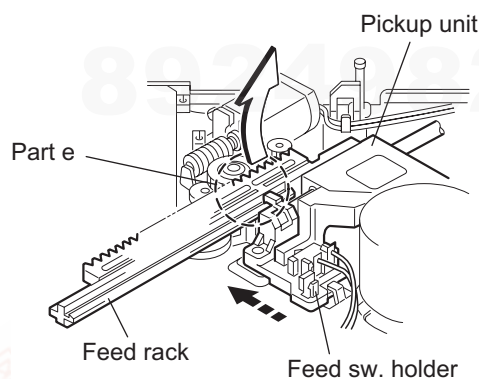


Fig.15

3.2.8 Reattaching the pickup unit (See Figs.14 to 17)

- (1) Reattach the feed rack to the pickup unit using the screw **F**.
- (2) Reattach the feed sw. holder to the feed rack while setting the joint **g** to the slot of the feed rack and setting the joint **f** of the feed rack to the switch of the feed sw. holder correctly.
- (3) As the feed sw. holder is temporarily attached to the pickup unit, set to the gear of the joint **g** and to the bending part of the chassis (joint **h**) at a time.

CAUTION:

Make sure that the part **i** on the underside of the feed rack is certainly inserted to the slot **j** of the change lock lever.

- (4) Reattach the feed sw. holder using the screw **E**.
- (5) Reattach the pu. shaft to the pickup unit. Reattach the pu. shaft holder to the pu. shaft using the screw **D**.

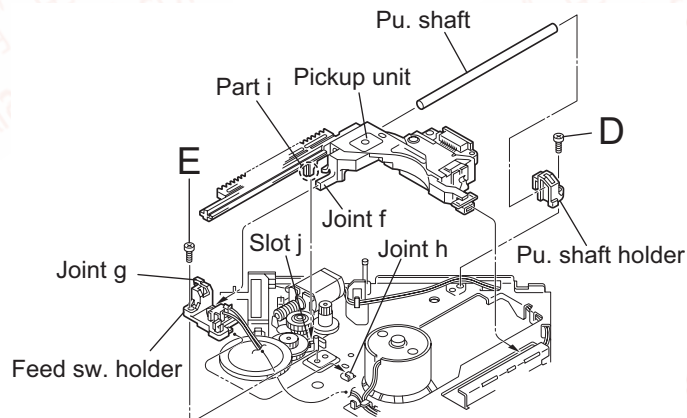


Fig.16

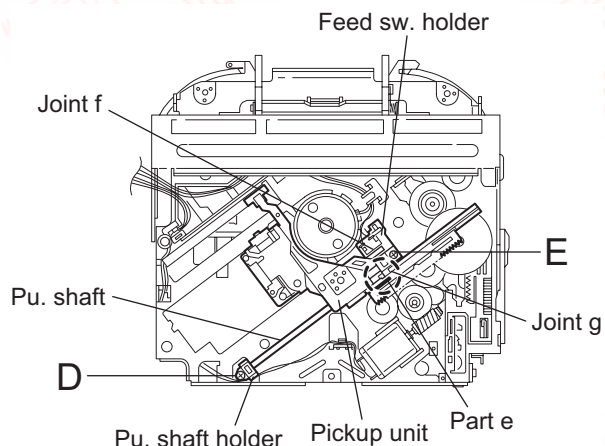


Fig.14

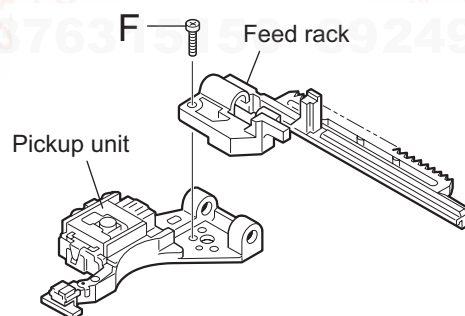


Fig.17

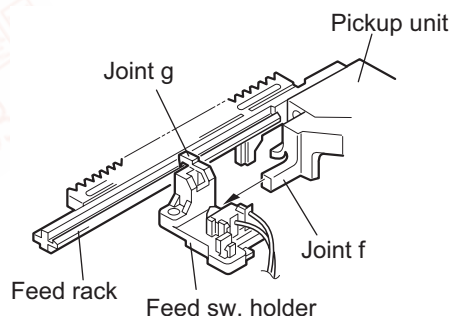


Fig.18

3.2.9 Removing the trigger arm

(See Figs.19 and 20)

- Prior to performing the following procedure, remove the top cover, connector board and clamber unit.
- (1) Turn the trigger arm in the direction of the arrow to release the joint **k** and pull out upward.

CAUTION:

When reassembling, insert the part **m** and **n** of the trigger arm into the part **p** and **q** at the slot of the chassis rivet assembly respectively and join the joint **k** at a time.

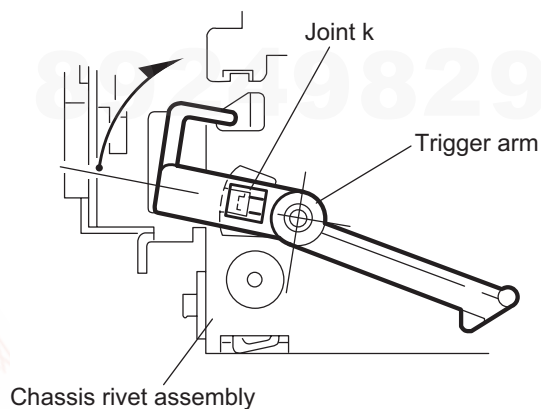


Fig.19

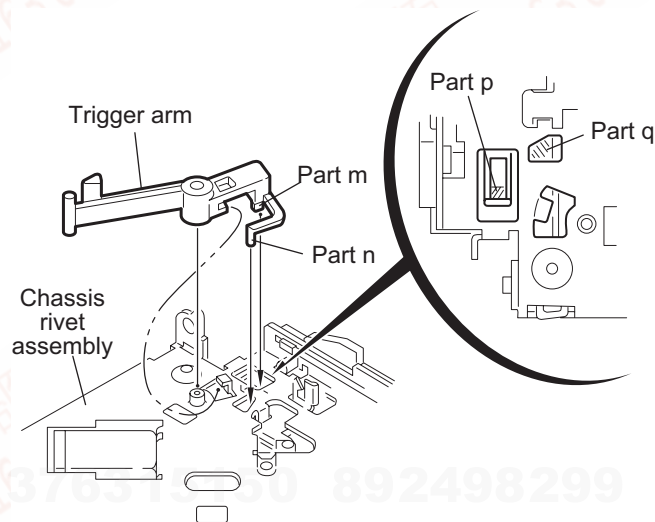


Fig.20

3.2.10 Removing the top plate assembly

(See Fig.21)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit, and clamber assembly.
- (1) Remove the screw **H**.
- (2) Move the top plate assembly in the direction of the arrow to release the two joints **r**.
- (3) Unsolder the wire marked **s** if necessary.

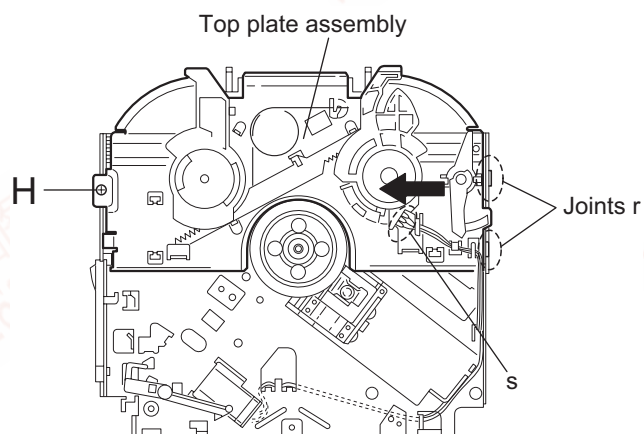


Fig.21

3.2.11 Removing the mode sw. / select lock arm (See Figs.22 and 23)

- Prior to performing the following procedure, remove the top plate assembly.
 - (1) Bring up the mode sw. to release from the link plate (joint **t**) and turn in the direction of the arrow to release the joint **u**.
 - (2) Unsolder the wire of the mode sw. marked **s** if necessary.
 - (3) Turn the select lock arm in the direction of the arrow to release the two joints **v**.
 - (4) The select lock arm spring comes off the select lock arm at the same time.

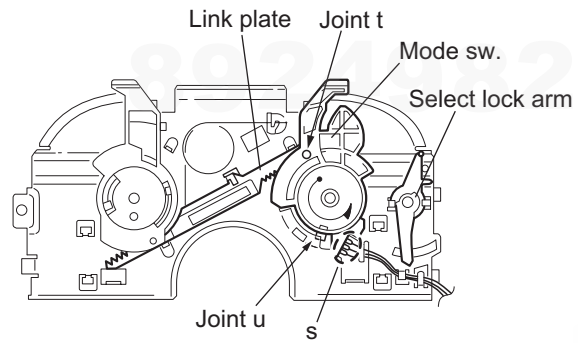


Fig.22

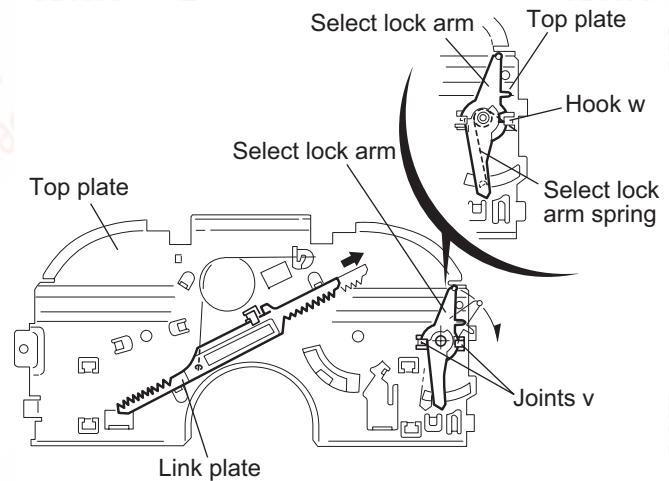


Fig.23

3.2.12 Reassembling the mode sw. / select lock arm (See Figs.24 to 26)

REFERENCE:

Reverse the above removing procedure.

- (1) Reattach the select lock arm spring to the top plate and set the shorter end of the select lock arm spring to the hook w on the top plate.
- (2) Set the other longer end of the select lock arm spring to the boss x on the underside of the select lock arm, and join the select lock arm to the slots (joint v). Turn the select lock arm as shown in the figure.
- (3) Reattach the mode sw. while setting the part t to the first peak of the link plate gear, and join the joint u.

CAUTION:

When reattaching the mode sw., check if the points y and z are correctly fitted and if each part operates properly.

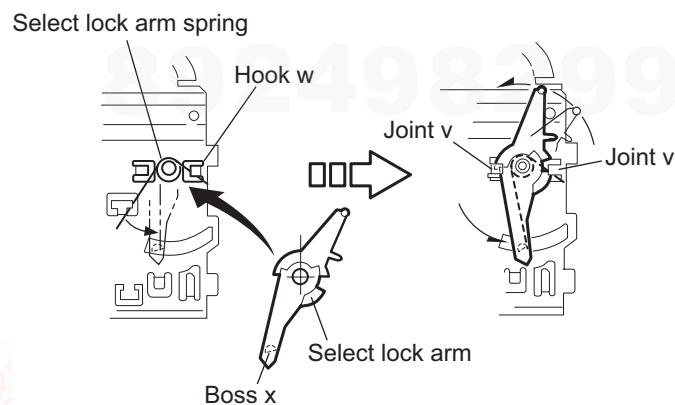


Fig.24

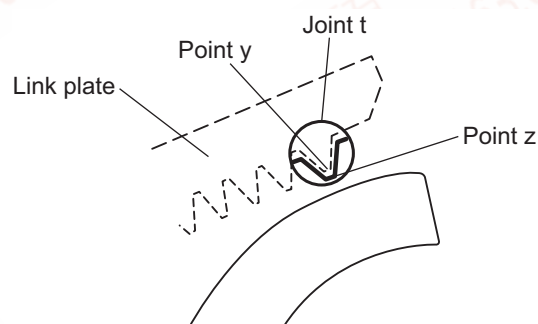


Fig.25

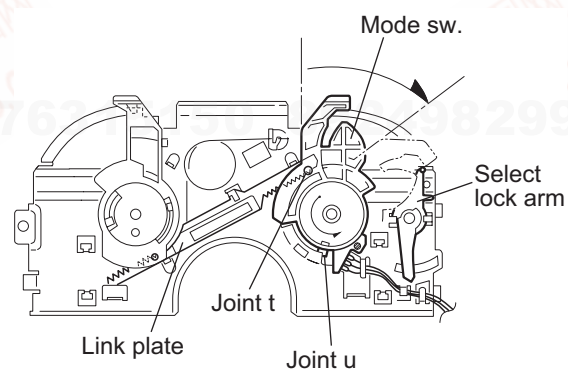


Fig.26

3.2.13 Removing the select arm R / link plate (See Figs.27 and 28)

- Prior to performing the following procedure, remove the top plate assembly.
- (1) Bring up the select arm R to release from the link plate (joint a') and turn as shown in the figure to release the two joints b' and joint c'.
- (2) Move the link plate in the direction of the arrow to release the joint d'. Remove the link plate spring at the same time.

REFERENCE:

Before removing the link plate, remove the mode sw..

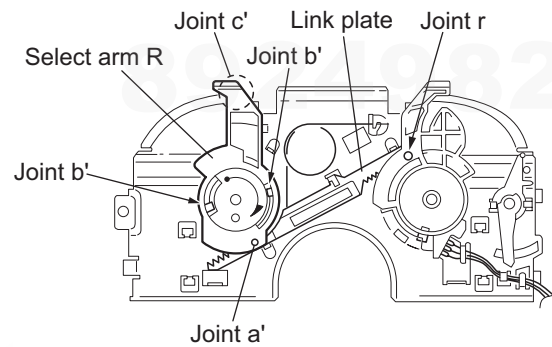


Fig.27

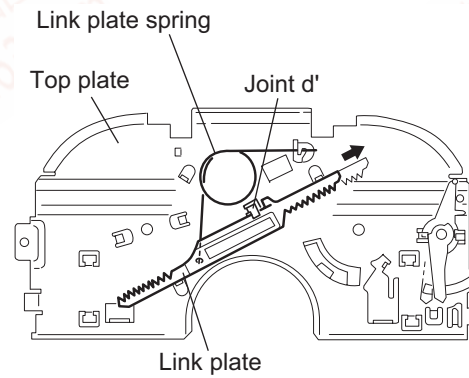


Fig.28

3.2.14 Reattaching the Select arm R / link plate (See Figs.29 and 30)

REFERENCE:

Reverse the above removing procedure.

- (1) Reattach the link plate spring.
- (2) Reattach the link plate to the link plate spring while joining them at joint d'.
- (3) Reattach the joint a' of the select arm R to the first peak of the link plate while joining the two joints b' with the slots. Then turn the select arm R as shown in the figure. The top plate is joined to the joint c'.

CAUTION:

When reattaching the select arm R, check if the points e' and f' are correctly fitted and if each part operates properly.

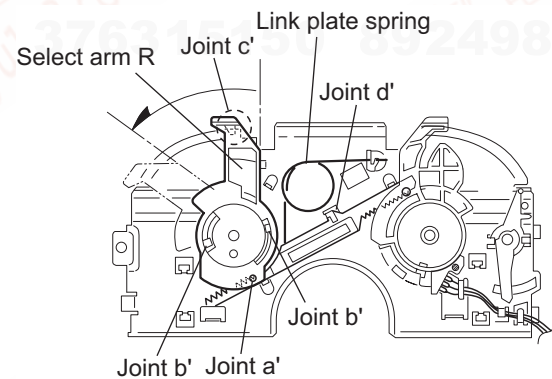


Fig.29

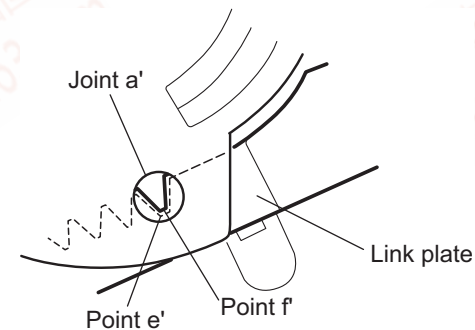


Fig.30

3.2.15 Removing the loading roller assembly

(See Figs.31 to 33)

- Prior to performing the following procedure, remove the clamber assembly and top plate assembly.
- (1) Push inward the loading roller assembly on the gear side and detach it upward from the slot of the joint **g'** of the lock arm rivet assembly.
- (2) Detach the loading roller assembly from the slot of the joint **h'** of the lock arm rivet assembly.

The roller guide comes off the gear section of the loading roller assembly.

Remove the roller guide and the HL washer from the shaft of the loading roller assembly.

- (3) Remove the screw **J** attaching the lock arm rivet assembly.
- (4) Push the shaft at the joint **i'** of the lock arm rivet assembly inward to release the lock arm rivet assembly from the slot of the L side plate.
- (5) Extend the lock arm rivet assembly outward and release the joint **j'** from the boss of the chassis rivet assembly. The roller guide springs on both sides come off at the same time.

CAUTION:

When reassembling, reattach the left and right roller guide springs to the lock arm rivet assembly before reattaching the lock arm rivet assembly to the chassis rivet assembly. Make sure to fit the part **k'** of the roller guide spring inside of the roller guide. (Refer to Fig.34.)

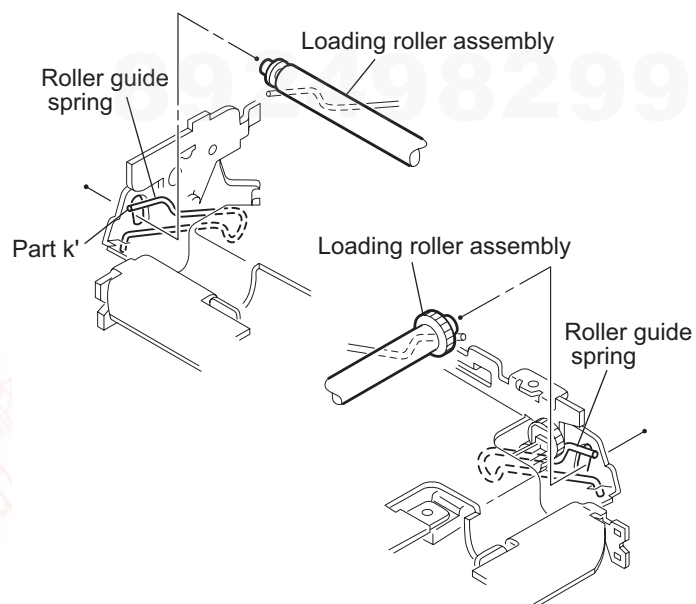
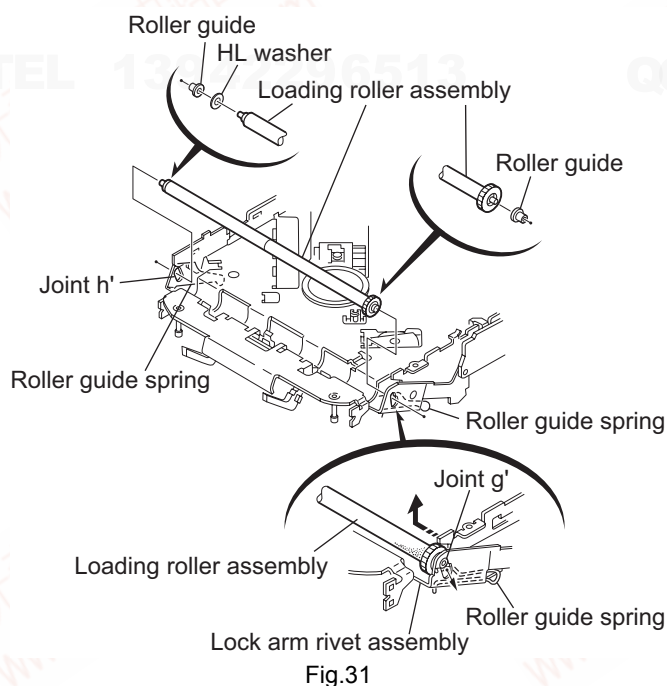


Fig.32

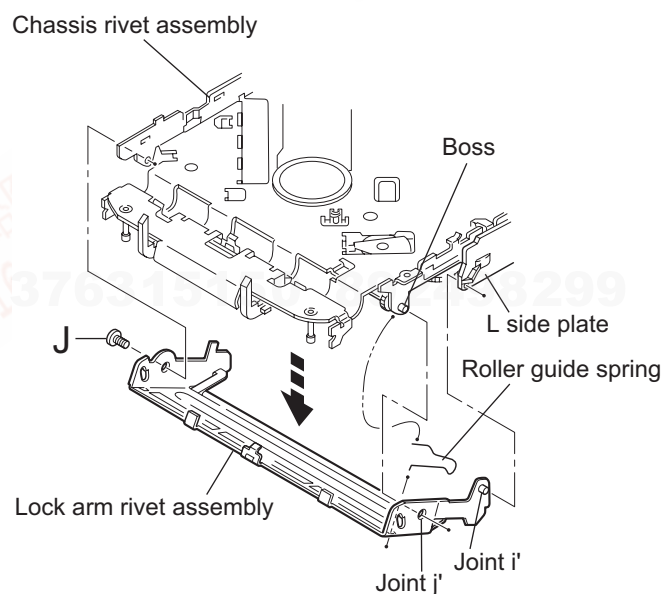


Fig.33

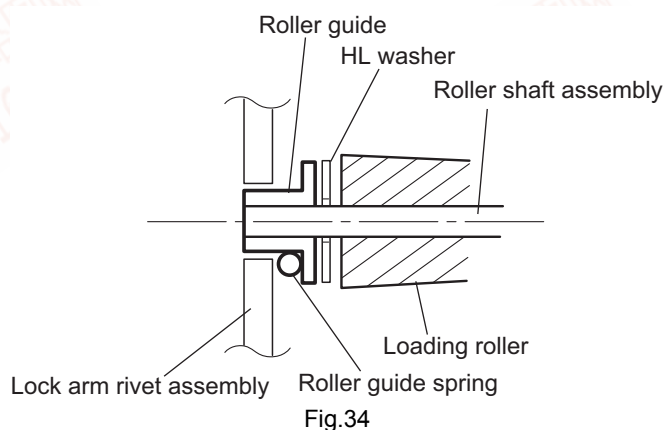


Fig.34

3.2.16 Removing the loading gear 5, 6 and 7 (See Figs.35 and 36)

- Prior to performing the following procedure, remove the top cover, chassis unit, pickup unit and top plate assembly.
 - (1) Remove the screw **K** attaching the loading gear bracket. The loading gear 6 and 7 come off the loading gear bracket.
 - (2) Pull out the loading gear 5.

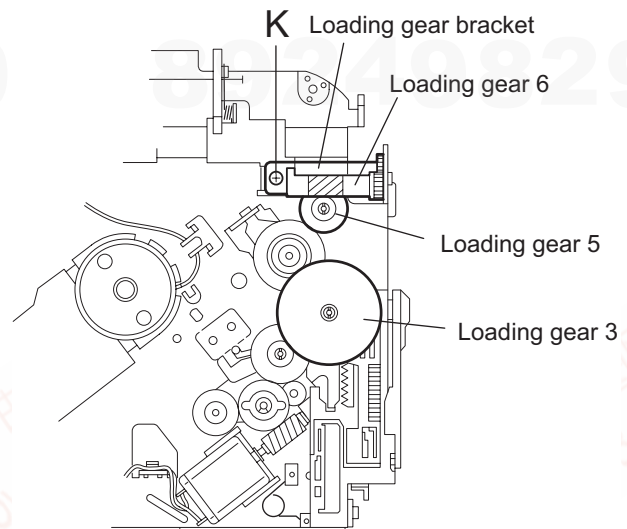


Fig.35

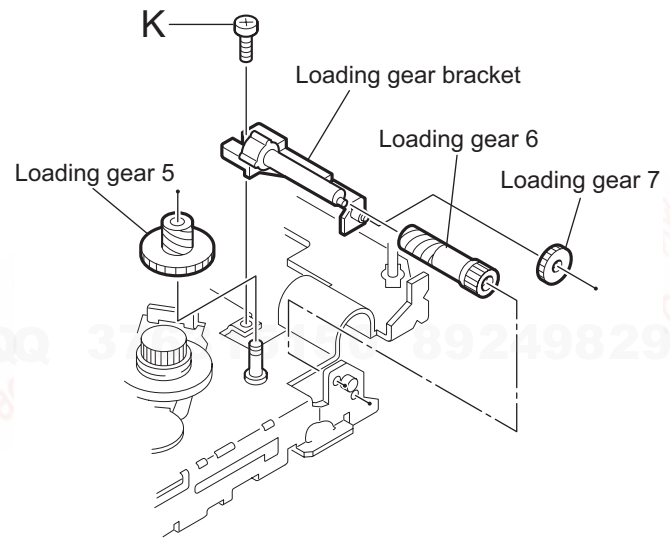


Fig.36

3.2.17 Removing the gears

(See Figs.37 to 40)

- Prior to performing the following procedure, remove the top cover, chassis unit, top plate assembly and pickup unit.
- Pull out the loading gear 3. (See Fig.35.)
- (1) Pull out the feed gear.
- (2) Move the loading plate assembly in the direction of the arrow to release the L side plate from the two slots m' of the chassis rivet assembly. (See Fig.37.)
- (3) Detach the loading plate assembly upward from the chassis rivet assembly while releasing the joint n'. Remove the slide hook and loading plate spring from the loading plate assembly.
- (4) Pull out the loading gear 2 and remove the change lock lever.
- (5) Remove the E ring and washer attaching the change gear 2.
- (6) The change gear 2, change gear spring and adjusting washer come off.
- (7) Remove the loading gear 1.
- (8) Move the change plate rivet assembly in the direction of the arrow to release from the three shafts of the chassis rivet assembly upward. (See Fig.38.)
- (9) Detach the loading gear plate rivet assembly from the shaft of the chassis rivet assembly upward while releasing the joint p'. (See Figs.38 and 40.)
- (10) Pull out the loading gear 4.

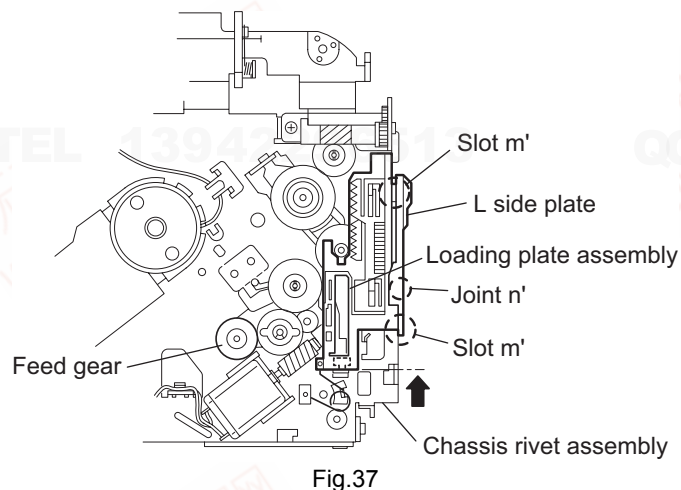


Fig.37

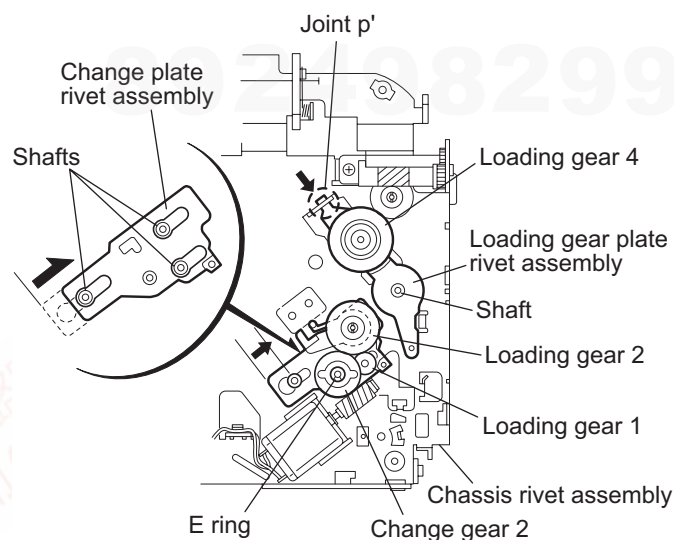


Fig.38

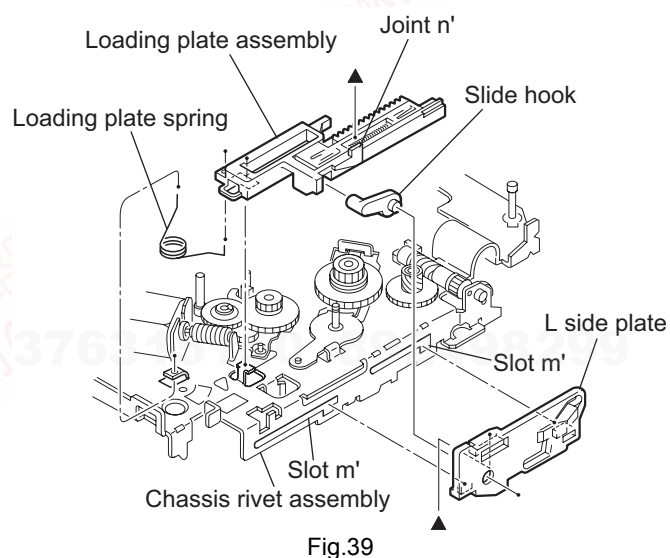


Fig.39

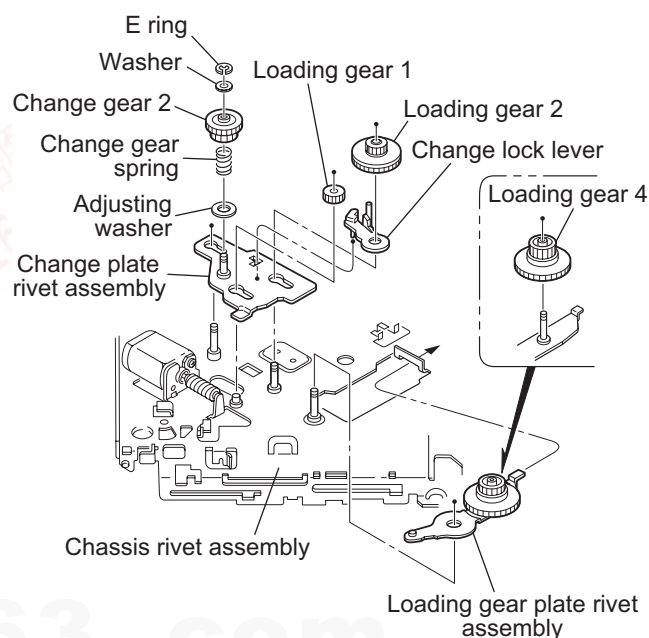


Fig.40

3.2.18 Removing the turn table / spindle motor (See Figs.41 and 42)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit and clasper assembly.
 - (1) Remove the two screws **L** attaching the spindle motor assembly through the slot of the turn table on top of the body.
 - (2) Unsolder the wire on the connector board if necessary.

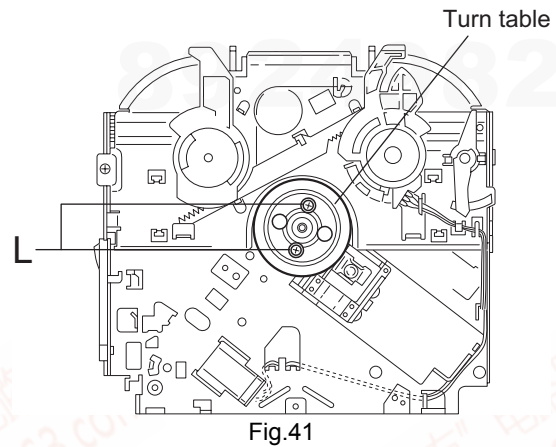


Fig.41

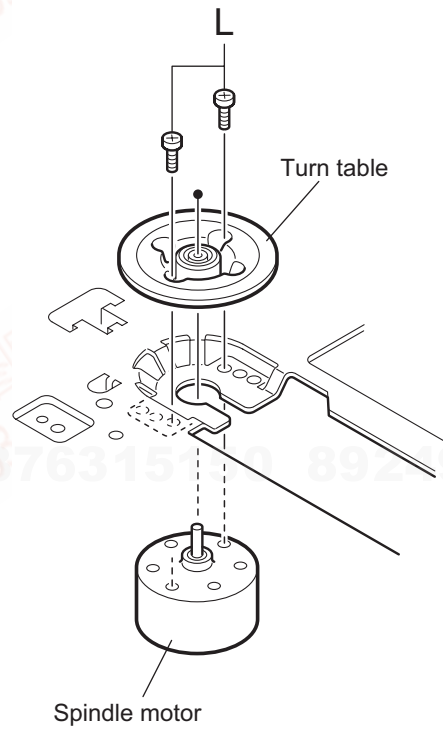


Fig.42

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
EXTSH002-22P × 1

■ Standard volume position

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

■ How to connect the extension cable for adjusting

Caution:

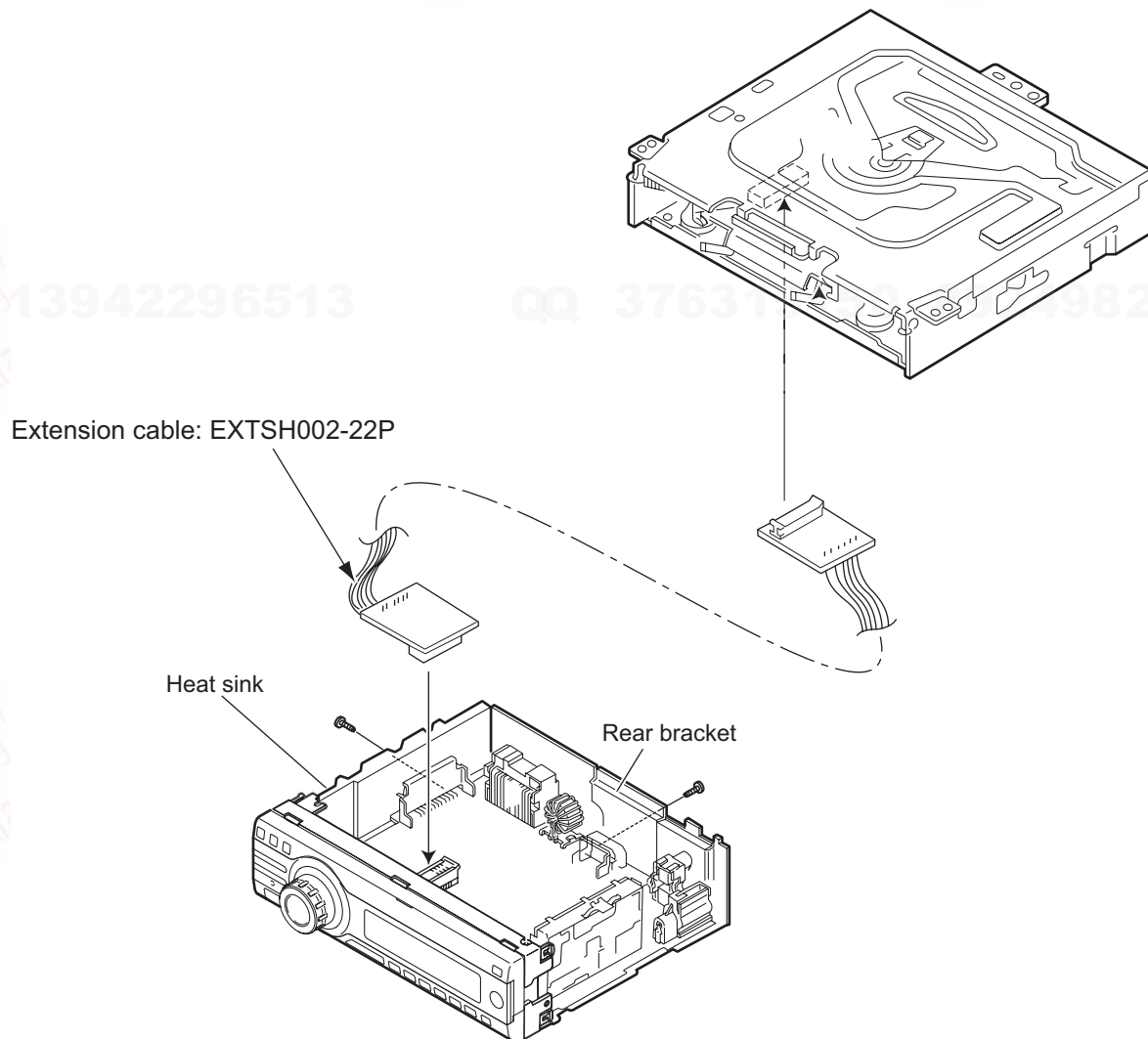
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power. If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

■ Standard measuring conditions

Power supply voltage	DC14.4V(11 to 16V)
Load impedance	20K Ω (2 Speakers connection)
Output Level	Line out 2.5V (Vol. MAX)

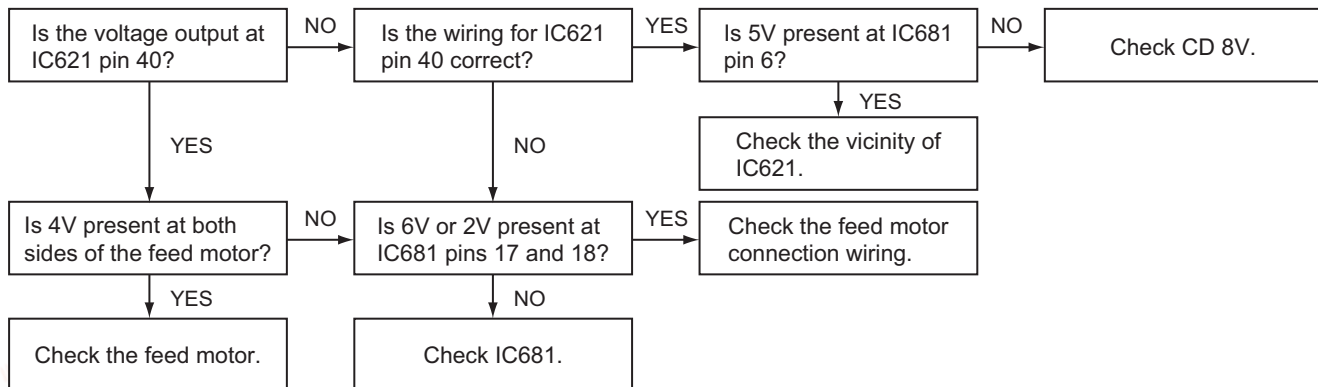
■ Dummy load

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.

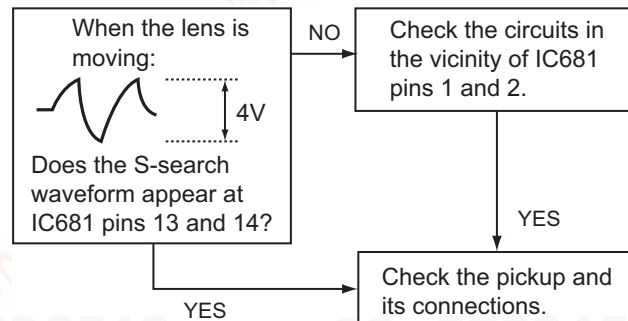


SECTION 5 TROUBLESHOOTING

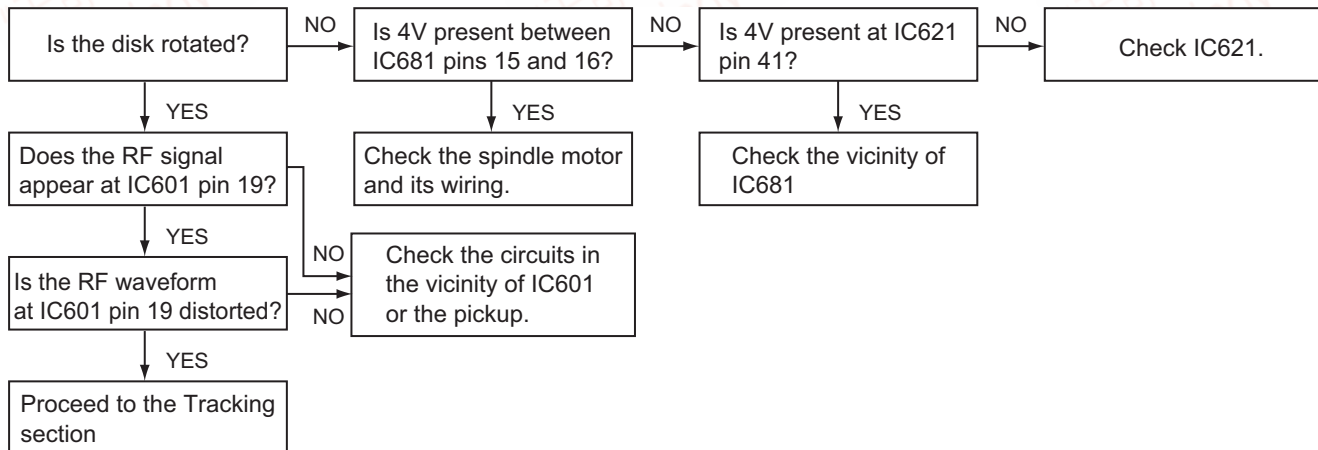
5.1 Feed section



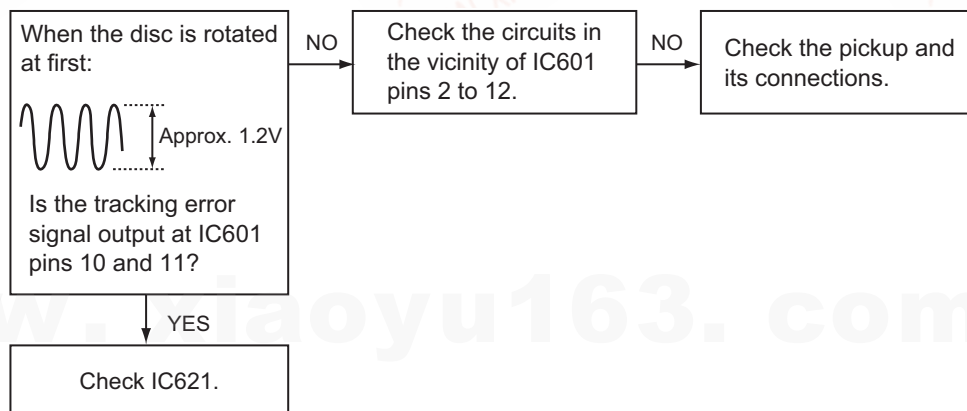
5.2 Focus section



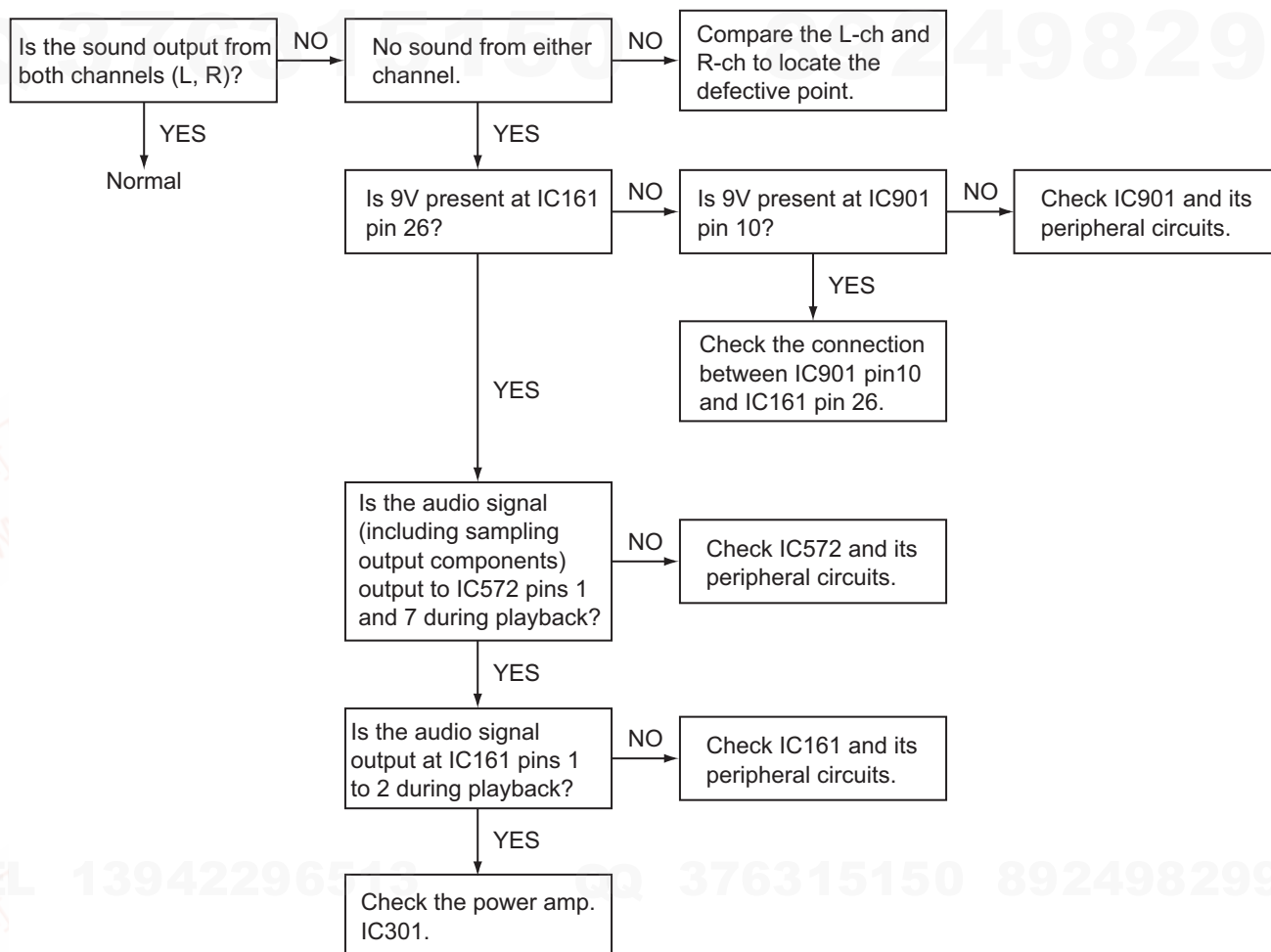
5.3 Spindle section



5.4 Tracking section



5.5 Signal processing section



5.6 Maintenance of laser pickup

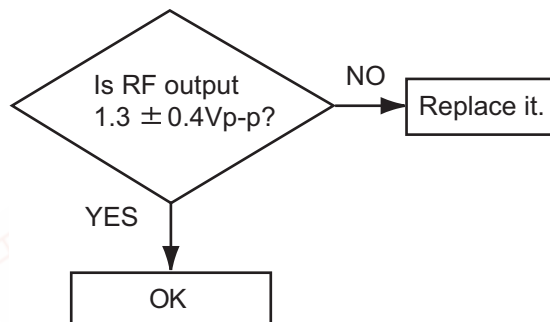
(1) Cleaning the pick up lens

Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode

When the life of the laser diode has expired, the following symptoms will appear.

- The level of RF output (EFM output: amplitude of eye pattern) will be low.

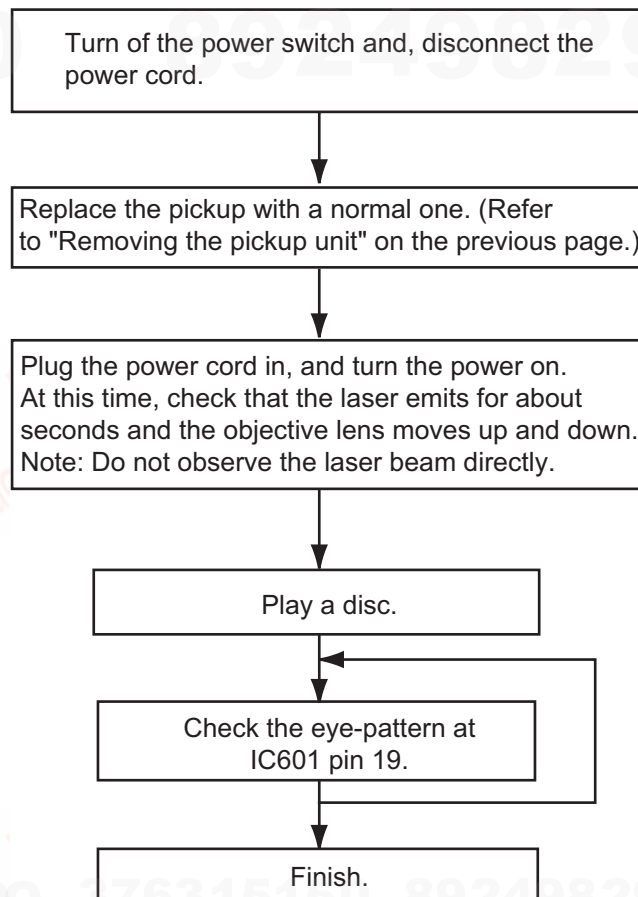


(3) Semi-fixed resistor on the APC PC board

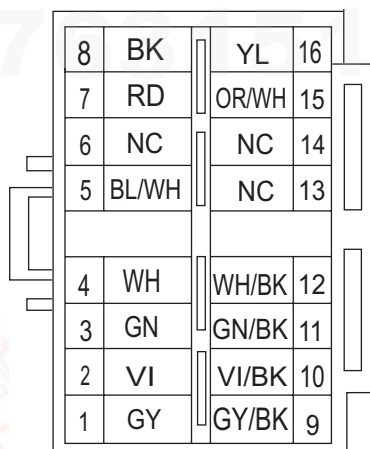
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced. If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

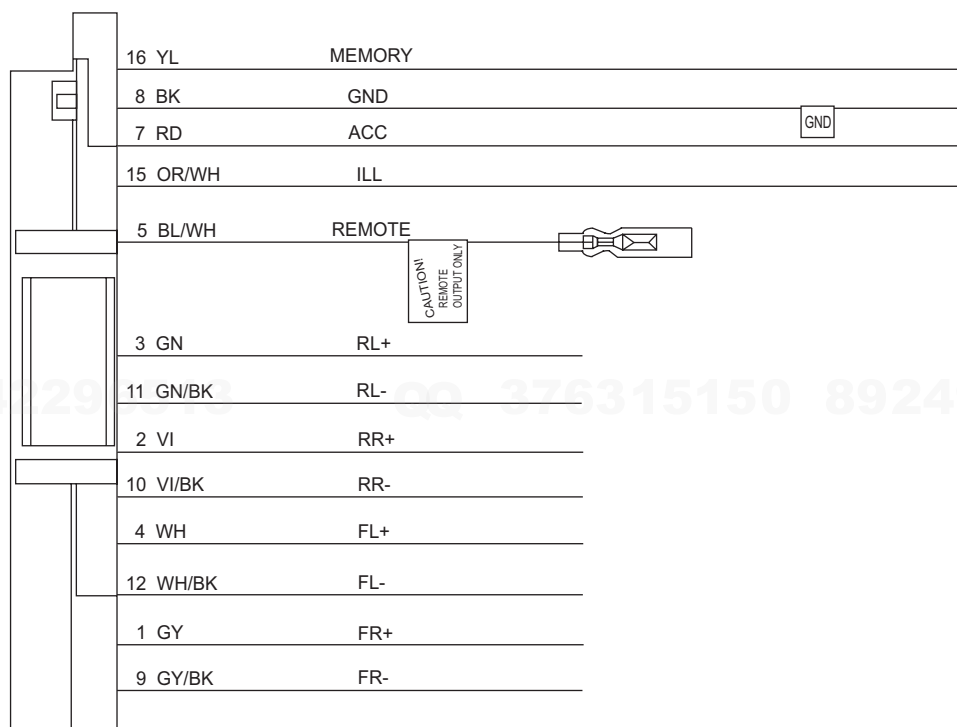
5.7 Replacement of laser pickup



5.8 16 PIN CORD DIAGRAM



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



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

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JVC

Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA124)

JVC

SCHEMATIC DIAGRAMS

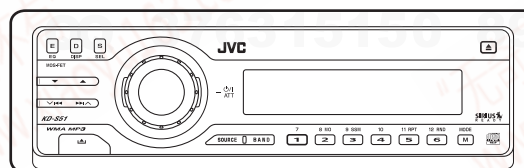
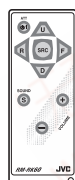
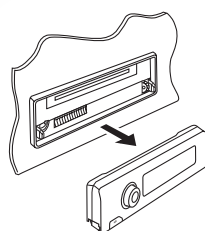
CD RECEIVER

KD-S51

CD-ROM No.SML200502

Area suffix

J ----- Northern America



SIRIUS
READY

MP3
WMA

COMPACT
DISC
DIGITAL AUDIO
TEXT



Contents

Block diagram (For J version).....	2-1
Standard schematic diagrams (For J version).....	2-3
Printed circuit boards (For J version)	2-9
Block diagram (For J2 version)	2-13
Standard schematic diagrams (For J2 version).....	2-15
Printed circuit boards (For J2 version)	2-21 to 24

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Safety precaution

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

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

< MEMO >

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TEL 13942296513 QQ 376315150 892498299

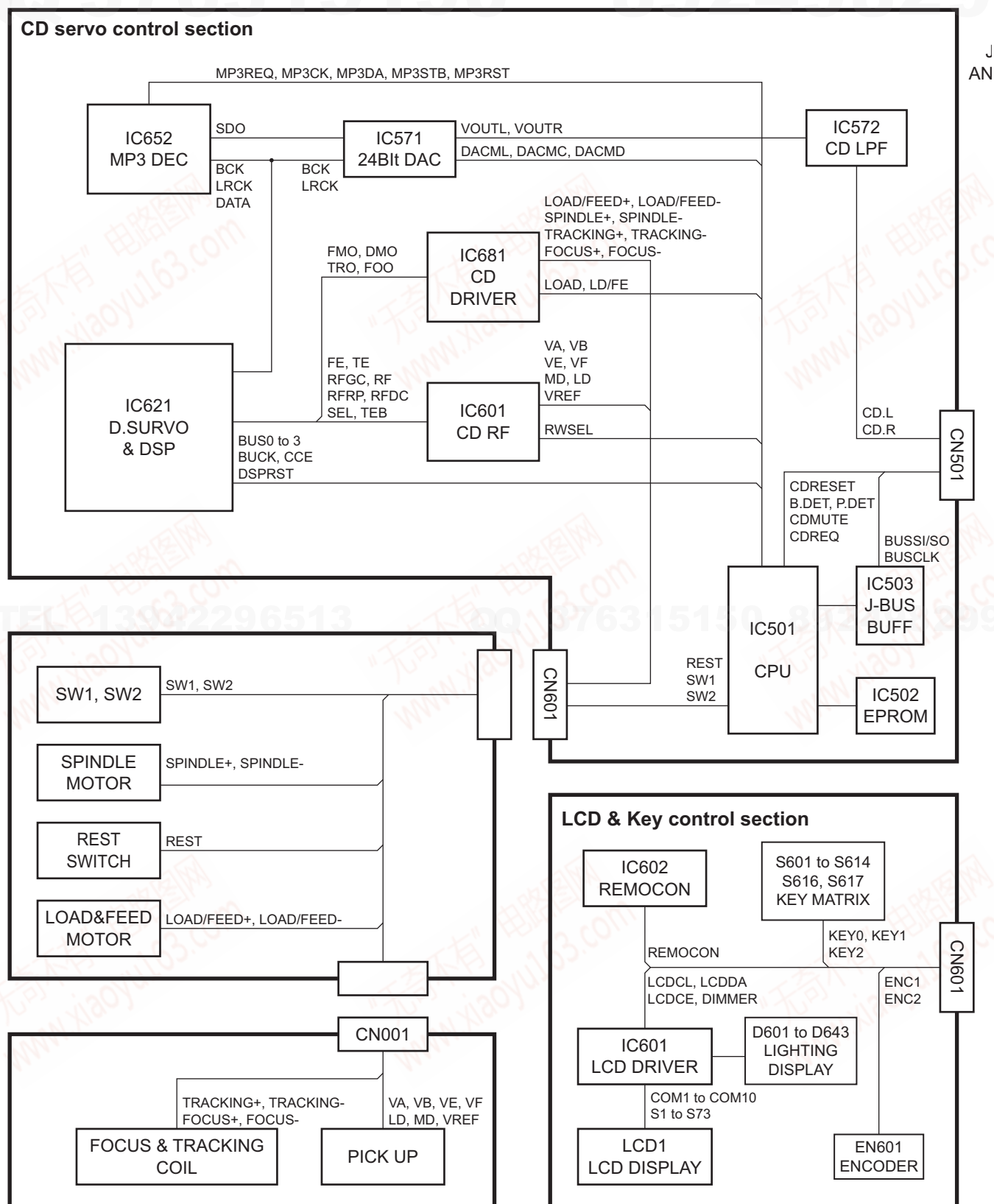
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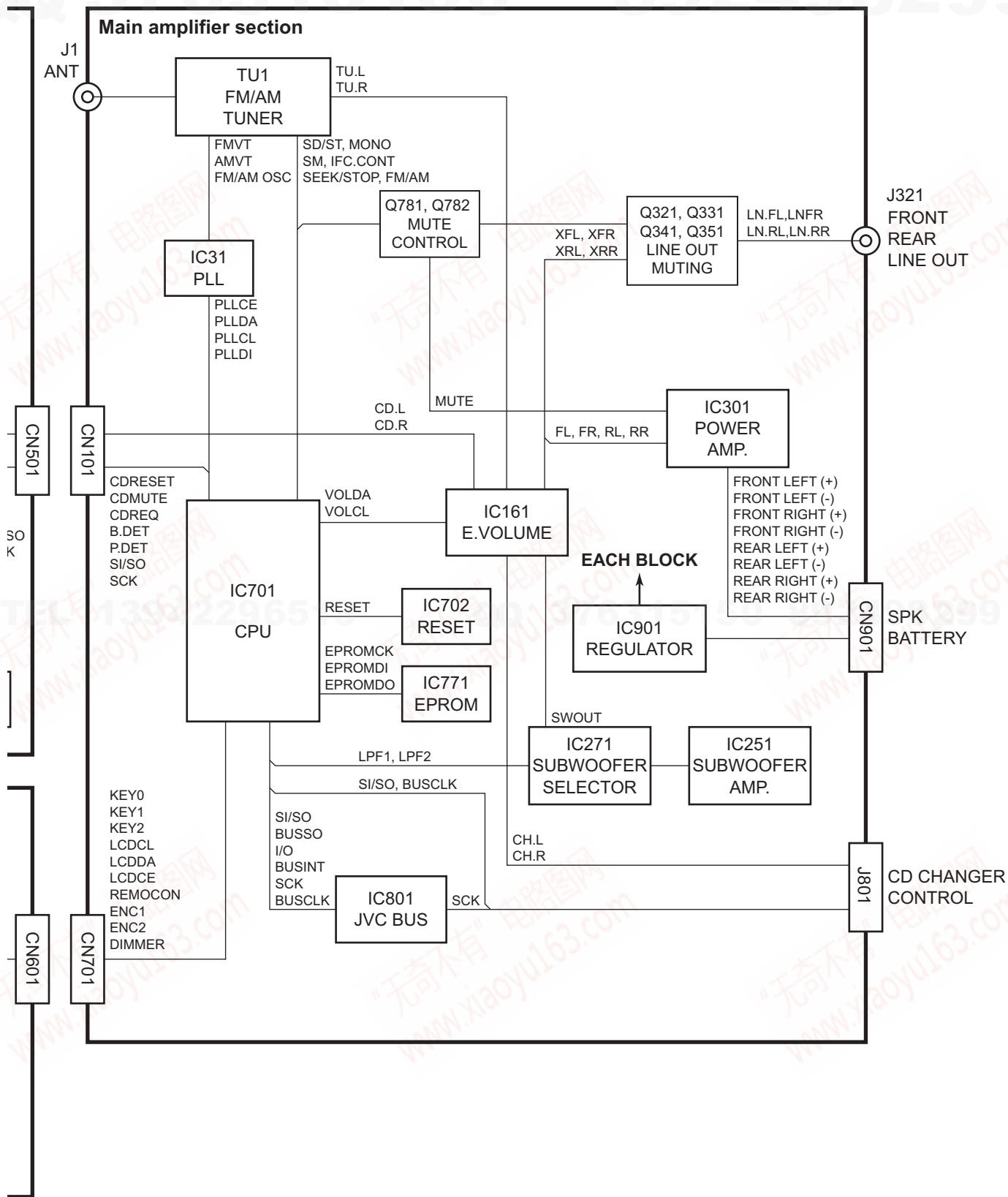
TEL 13942296513

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Block diagram (For J version)



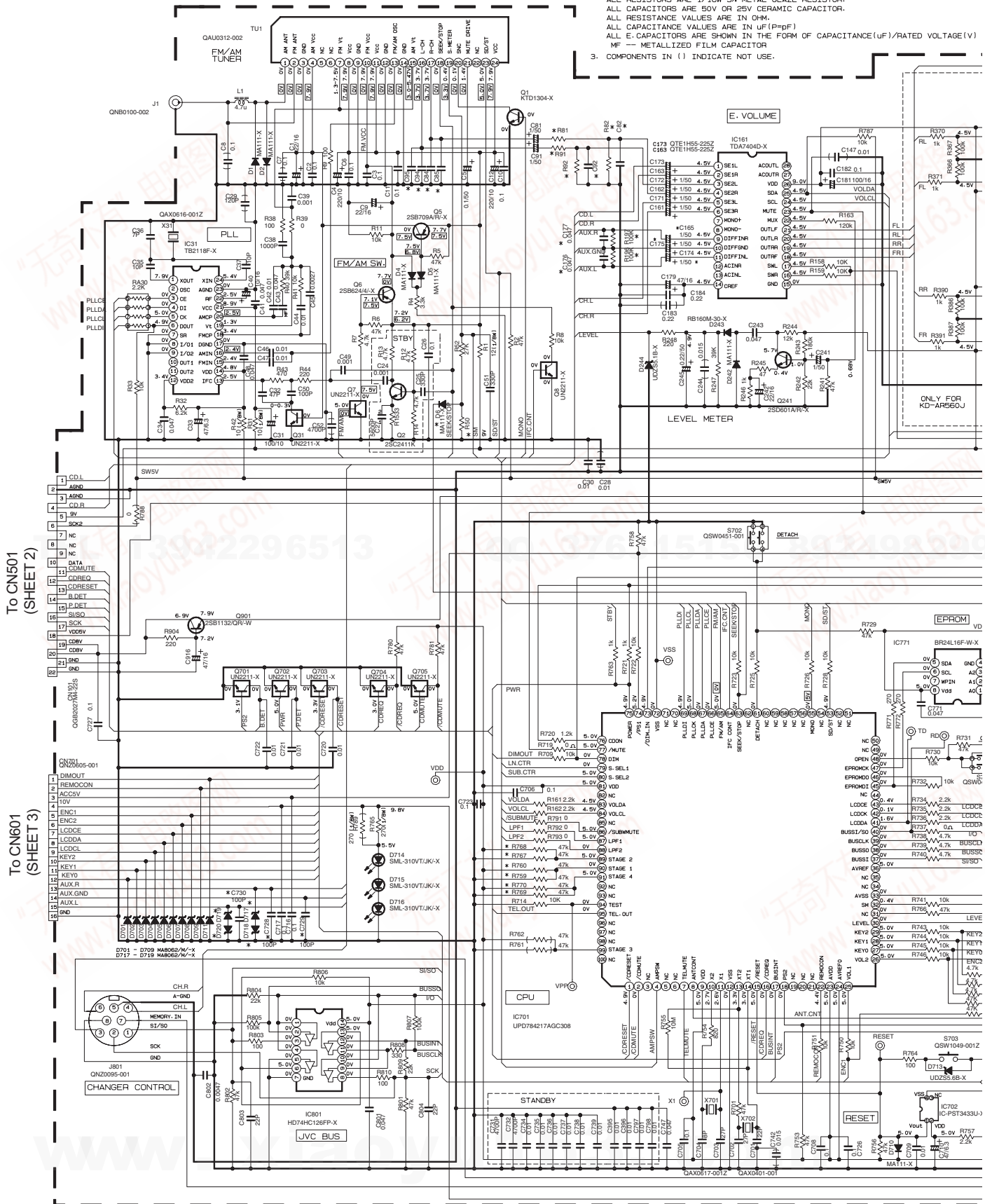


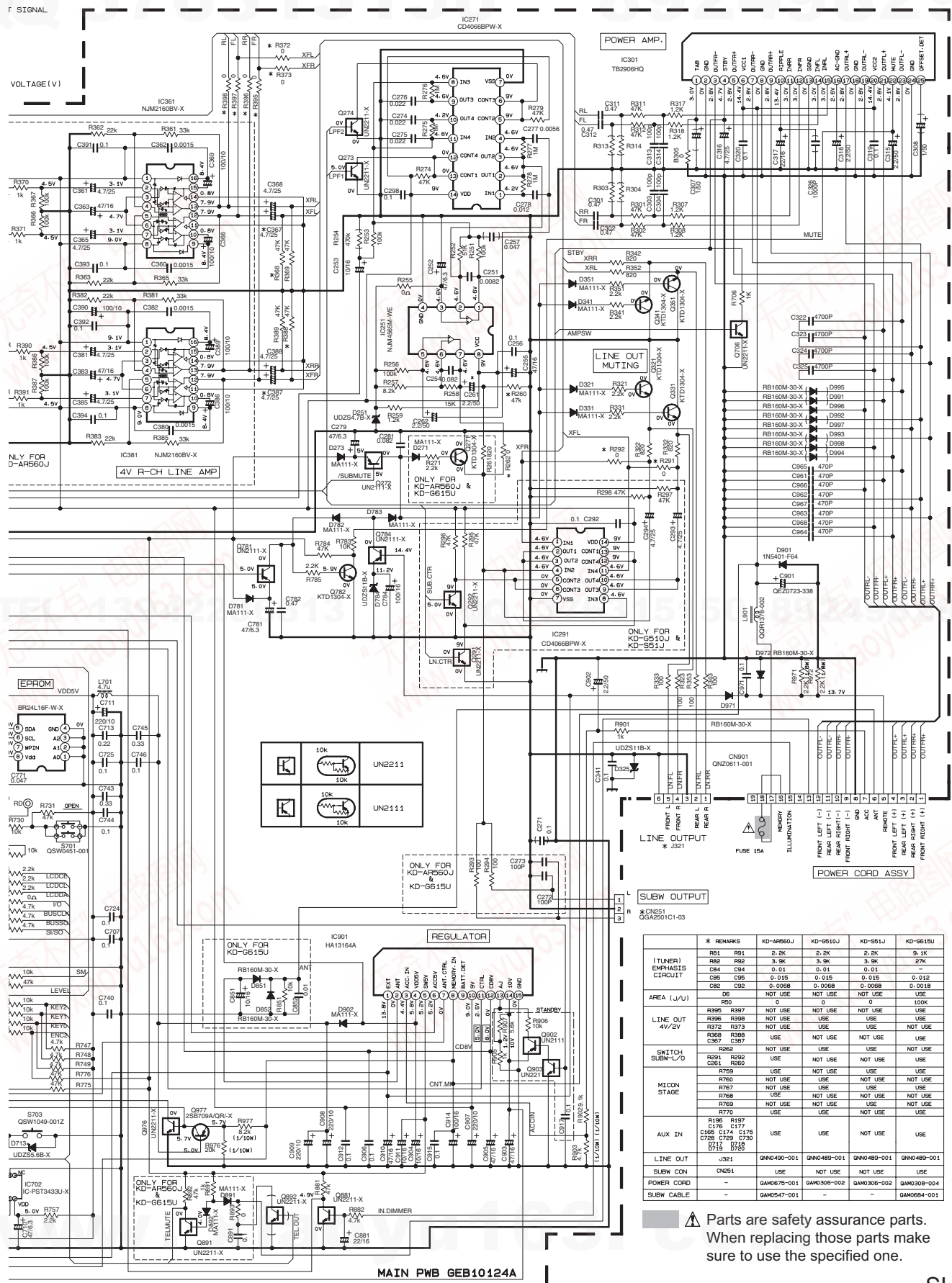
Standard schematic diagrams (For J version)

■ Main amplifier section

NOTES

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





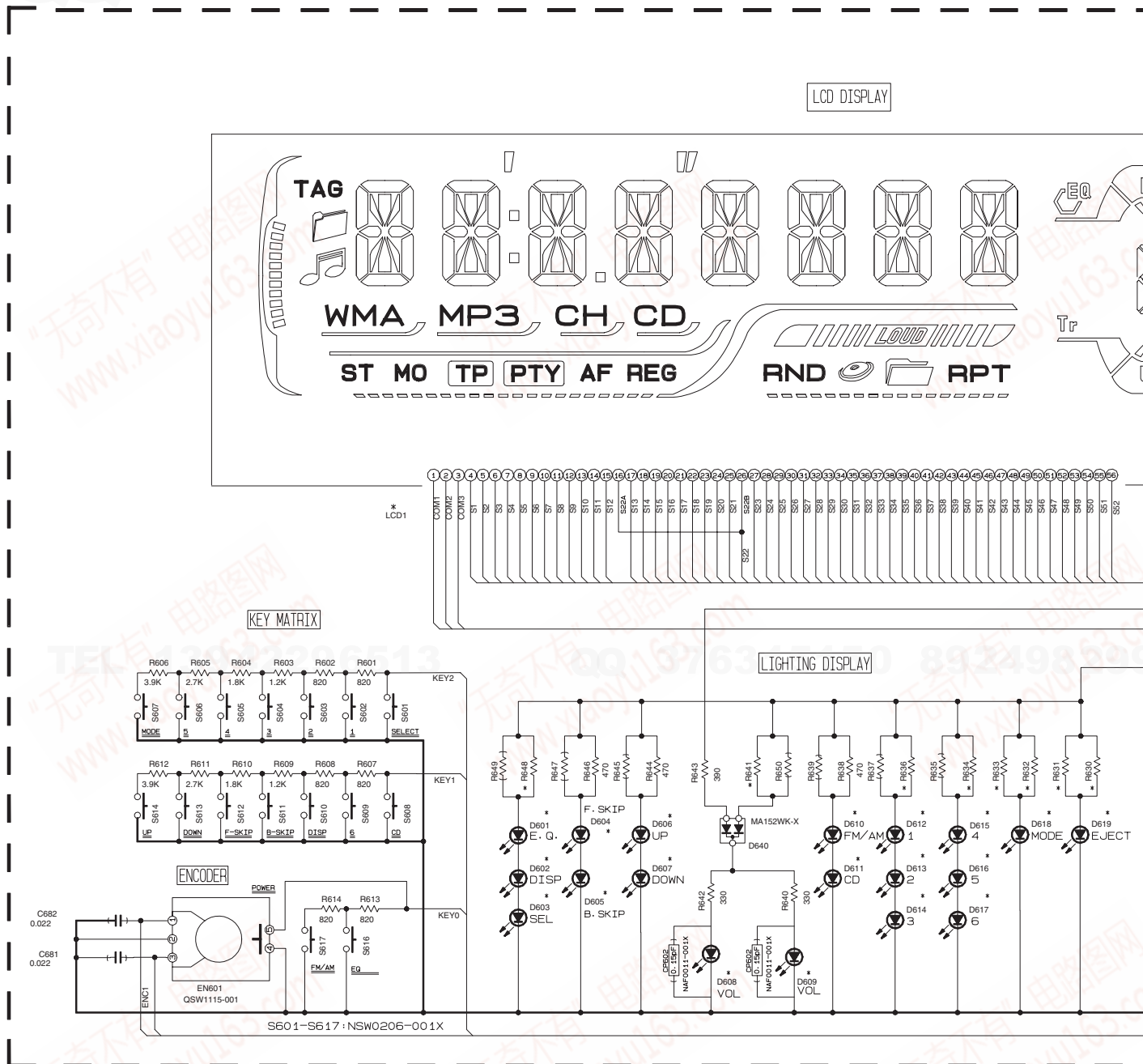
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(TUNER)					
EMPHASIS	R81 R91	2.2K	2.2K	2.2K	9.1K
CIRCUIT	R82 R92	3.9K	3.9K	3.9K	27K
	C84 C94	0.01	0.01	0.01	0.01
	C85 C95	0.015	0.015	0.015	0.012
	C82 C92	0.0068	0.0068	0.0068	0.0018
AREA (J/U)	DE	NOT USE	NOT USE	NOT USE	100K
	R995 R997	NOT USE	NOT USE	NOT USE	USE
LINE OUT	R396 R398	NOT USE	USE	USE	USE
4V/2V	R372 R373	NOT USE	USE	USE	NOT USE
	R398 R399	USE	USE	USE	USE
	C367 C367	NOT USE	USE	USE	USE
SWITCH	R291 R292	USE	NOT USE	NOT USE	USE
SUBW-L/O	C261 R260	USE	NOT USE	NOT USE	USE
	R769	NOT USE	USE	NOT USE	NOT USE
MICRON	R767	NOT USE	USE	NOT USE	NOT USE
STAGE	R768	USE	NOT USE	NOT USE	NOT USE
	R769	NOT USE	NOT USE	NOT USE	NOT USE
	R770	USE	NOT USE	NOT USE	NOT USE
AUX IN	R196 R197	USE	USE	NOT USE	USE
	C165 C174 C175	USE	USE	NOT USE	USE
LINE OUT	C758 C759 C759	USE	USE	NOT USE	USE
	D719 D719	USE	USE	NOT USE	USE
SUBW CON	CN251	USE	NOT USE	NOT USE	USE
POWER CORD	-	GAH0675-001	GAH0306-002	GAH0306-002	GAH0308-004
SUBW CABLE	-	GAH0547-001	-	-	GAH0664-001

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



LCD & Key control section

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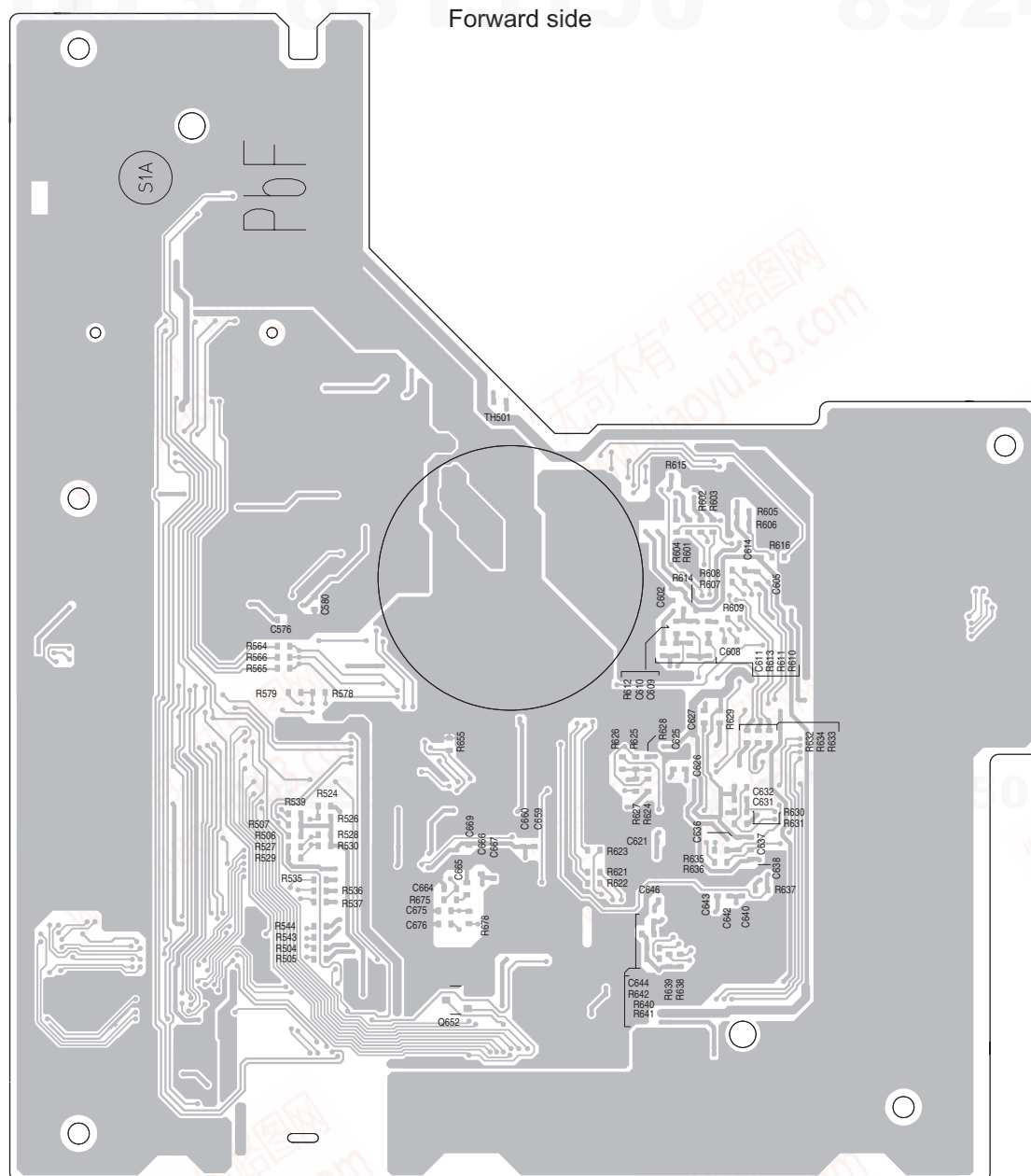
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D610-D619 D601-D607	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X
D608-D609	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X	CL-190UB2-X-X
R620 R621 J601	USE	USE	NOT USE	USE
R630	1.2K	1K	1K	1K
R631	1.2K	-	-	-
R632	1.2K	820	820	820
R633	1.2K	-	-	-
R634 R636 R648	270	330	330	330
R641	390	200	200	180
LCD1	QLD0349-001	QLD0349-001	QLD0349-001	QLD0354-001

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

2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W METAL GLAZE RESISTORS .
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(P=pF)
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTALUM CAPACITOR.
3. COMPONENTS IN () INDICATE NOT USE.

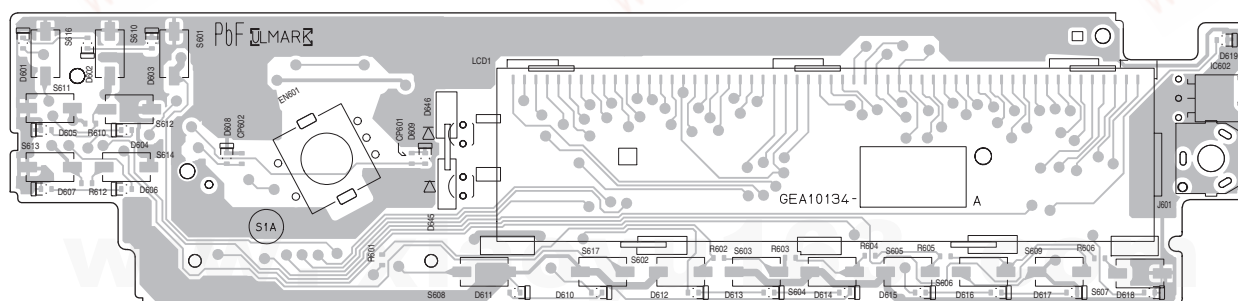
		UN2211
		UN2111

■ CD mecha control board

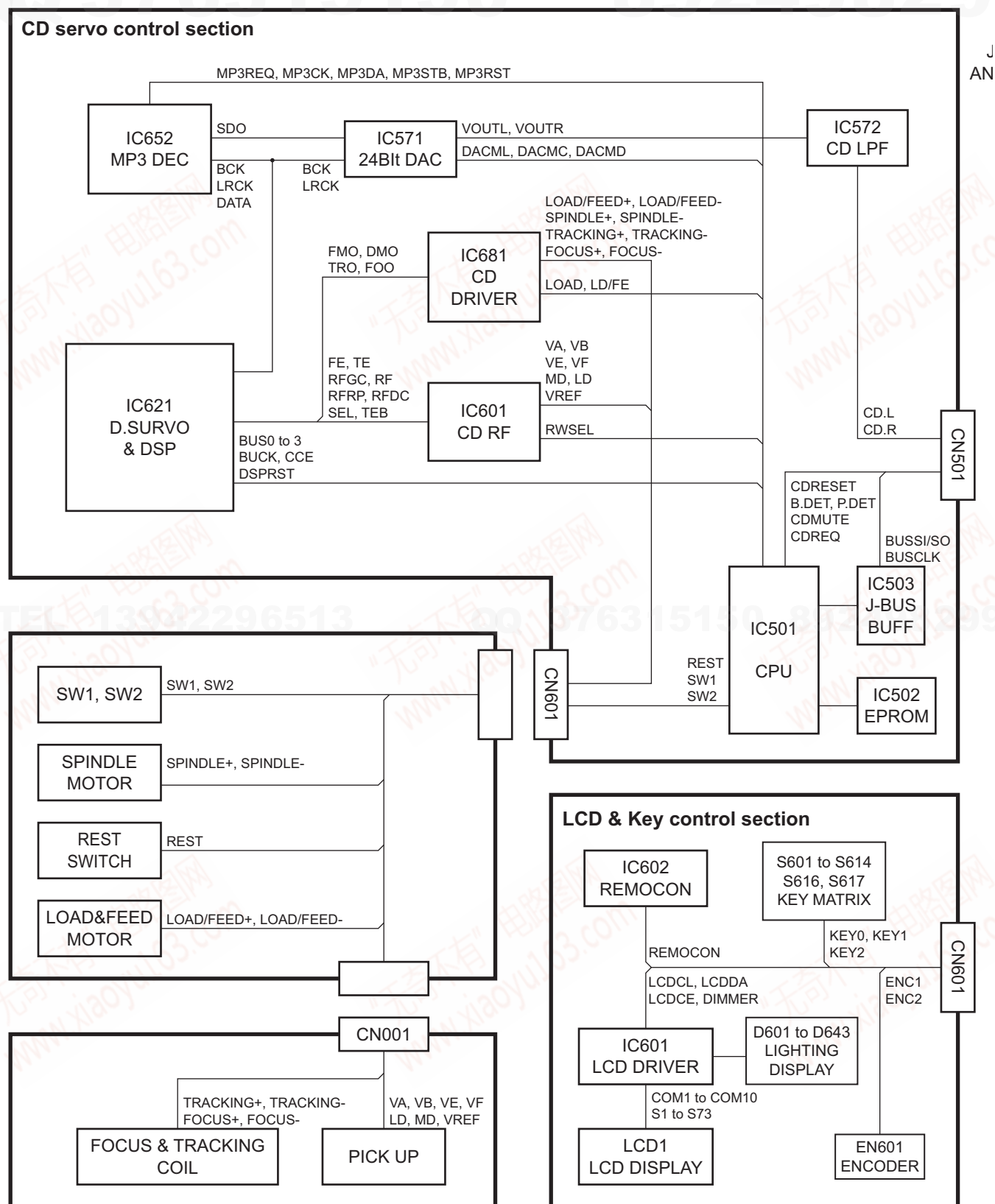


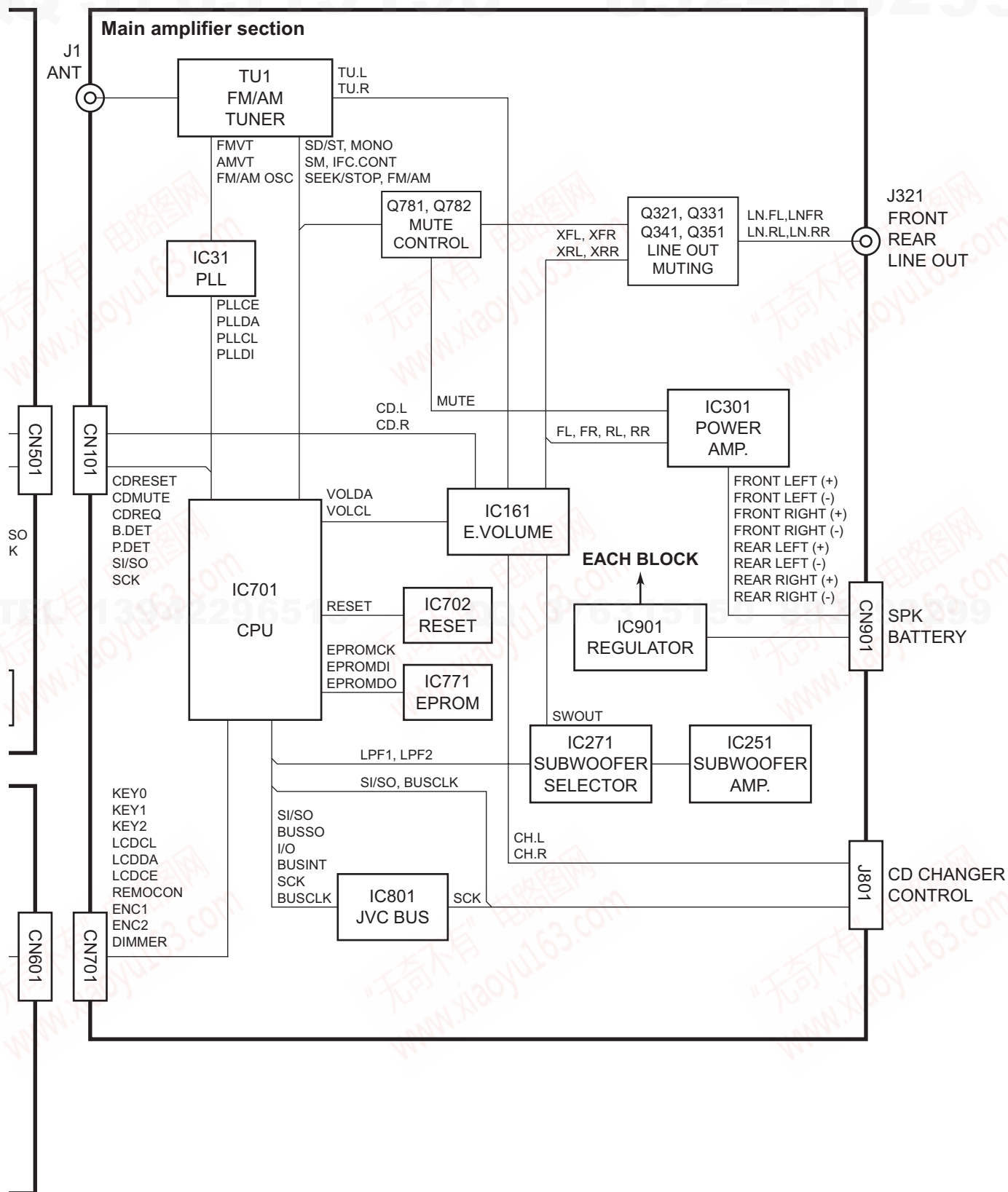
■ Switch board

Forward side



Block diagram (For J2 version)



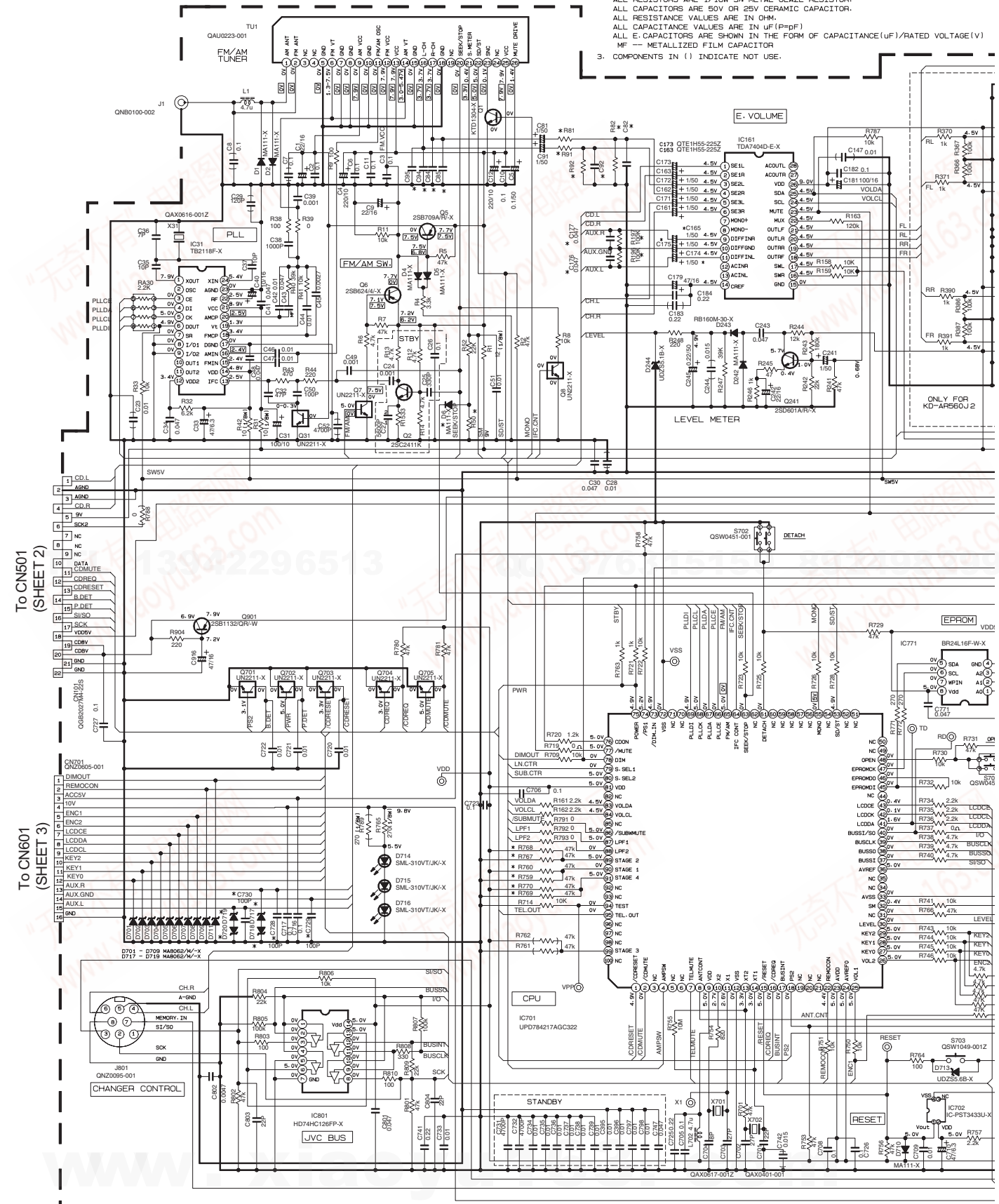


Standard schematic diagrams (For J2 version)

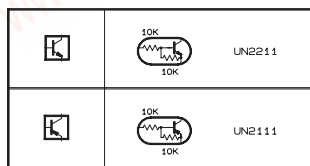
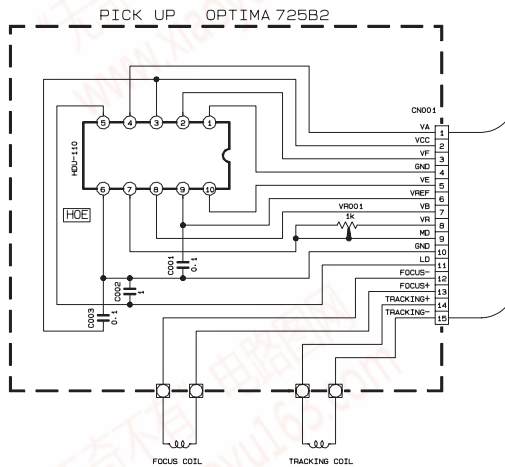
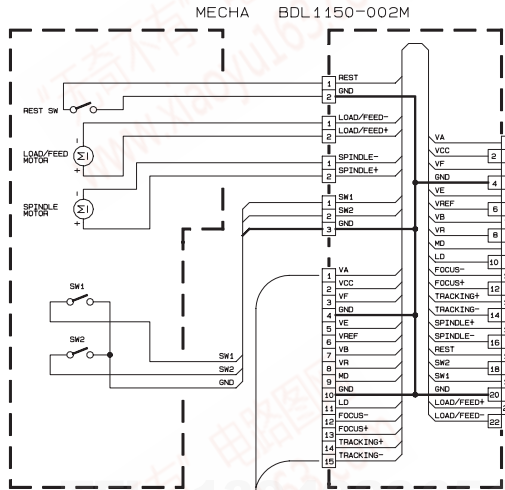
■ Main amplifier section

NOTES

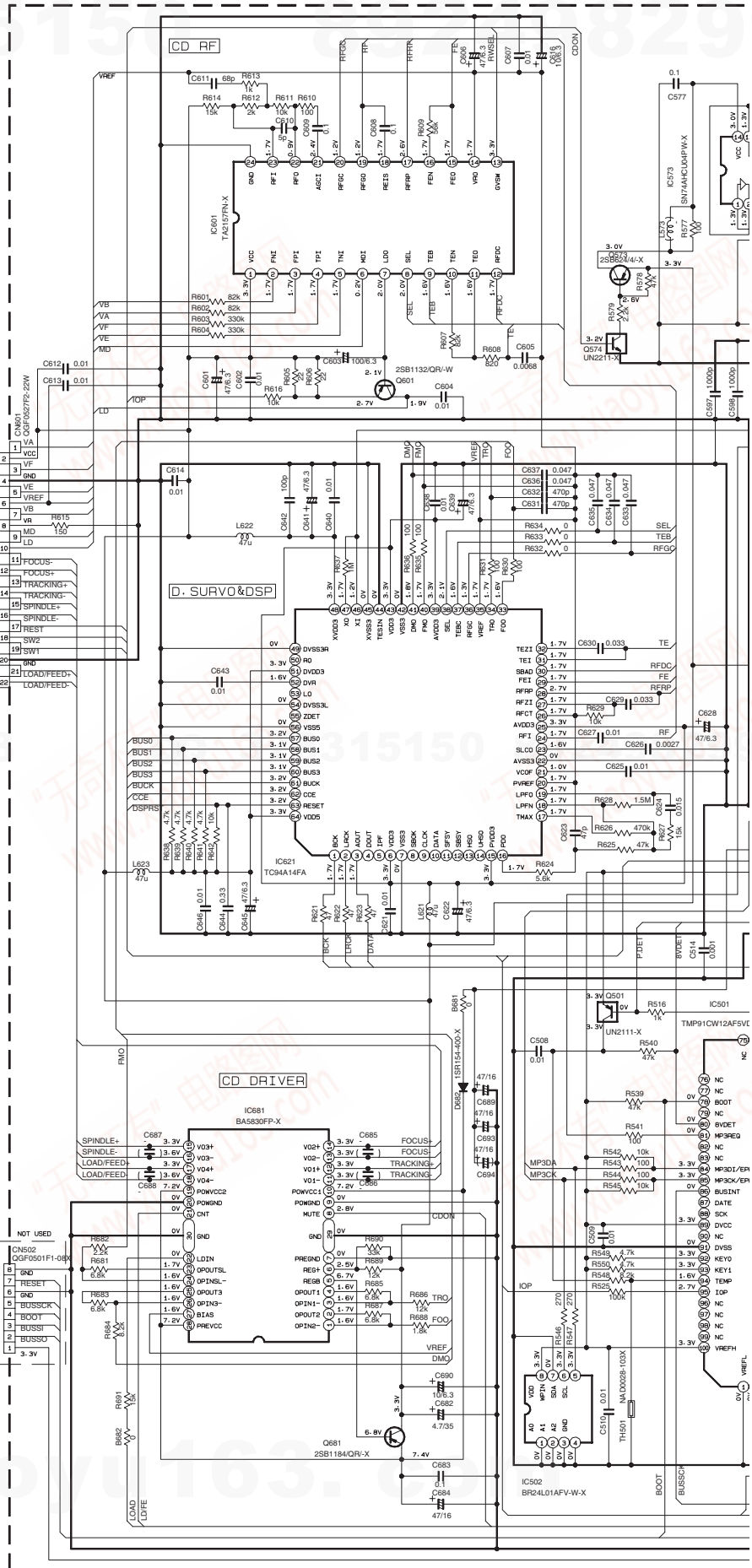
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CONDITION—FM MODE. AM MODE. () CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
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ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μF (P=PF)
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V)
MF — METALLIZED FILM CAPACITOR
3. COMPONENTS IN () INDICATE NOT USE.

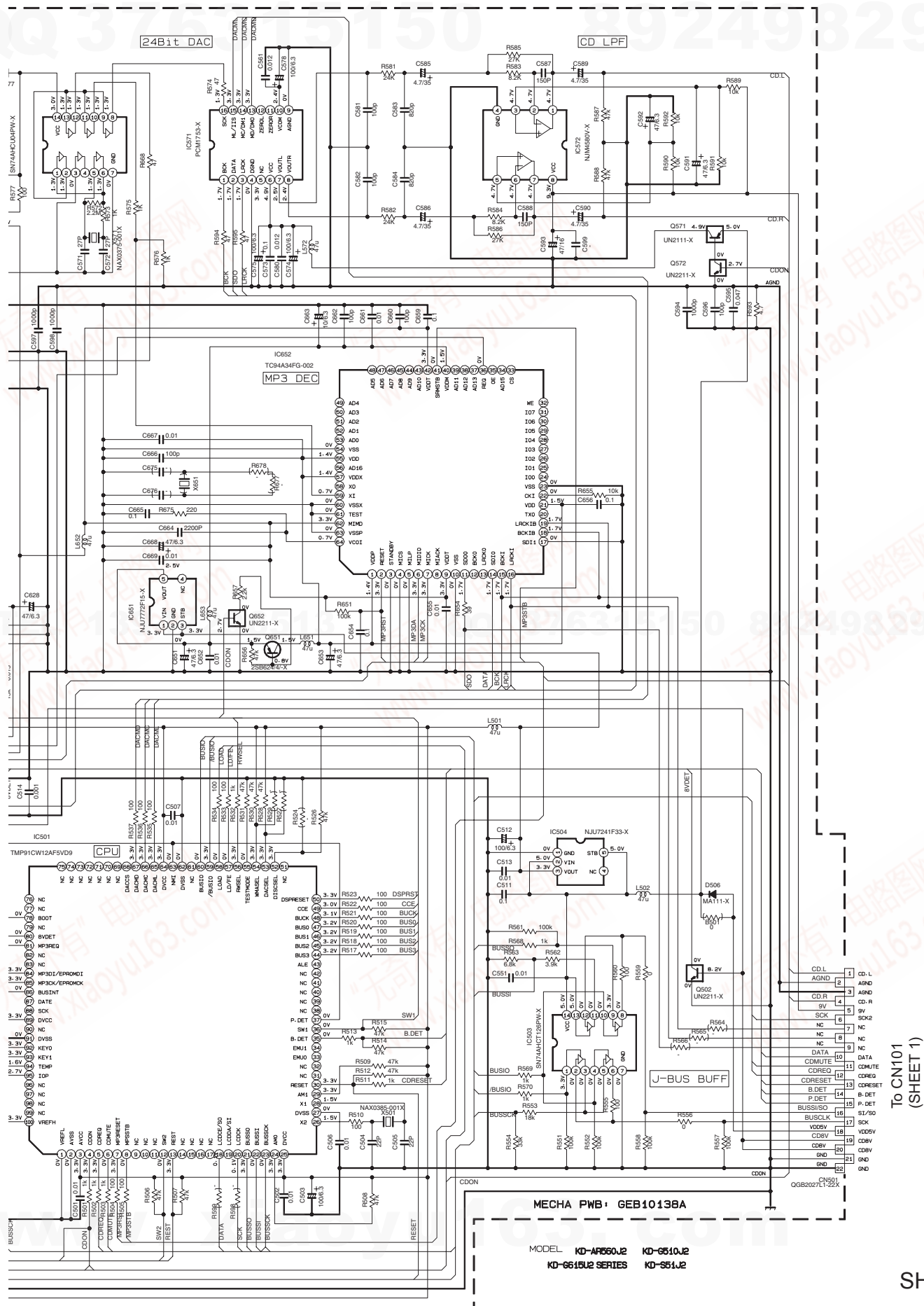


■ CD servo control section



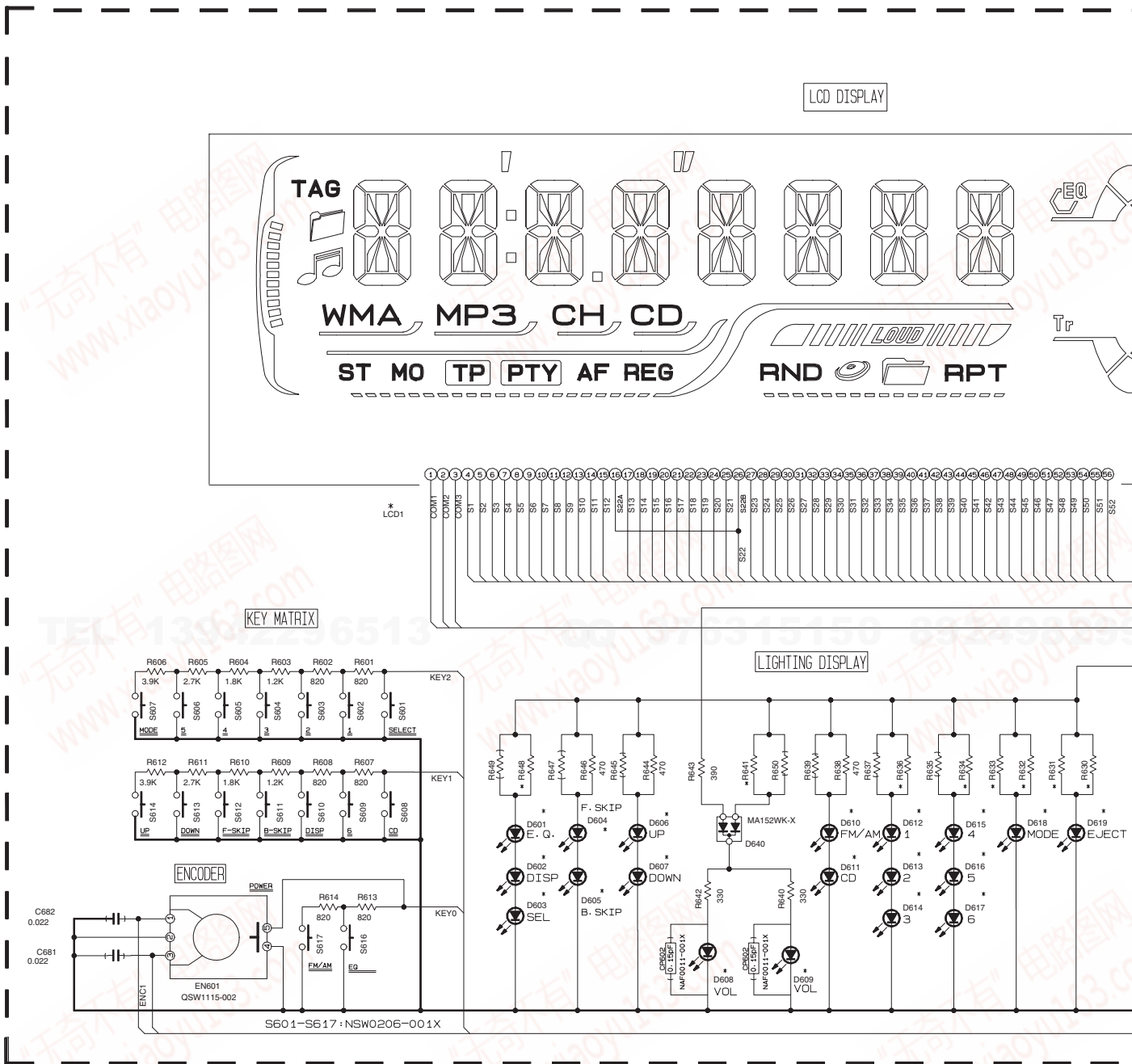
- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- CD MODE.
 2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W OR 1/10W OR 1/8W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V OR 16V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN Ω(M).
ALL CAPACITANCE VALUES ARE IN pF(pF).
 3. ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (pF)/RATED VOLTAGE (V).
COMPONENTS IN () INDICATE NOT USE.





LCD & Key control section

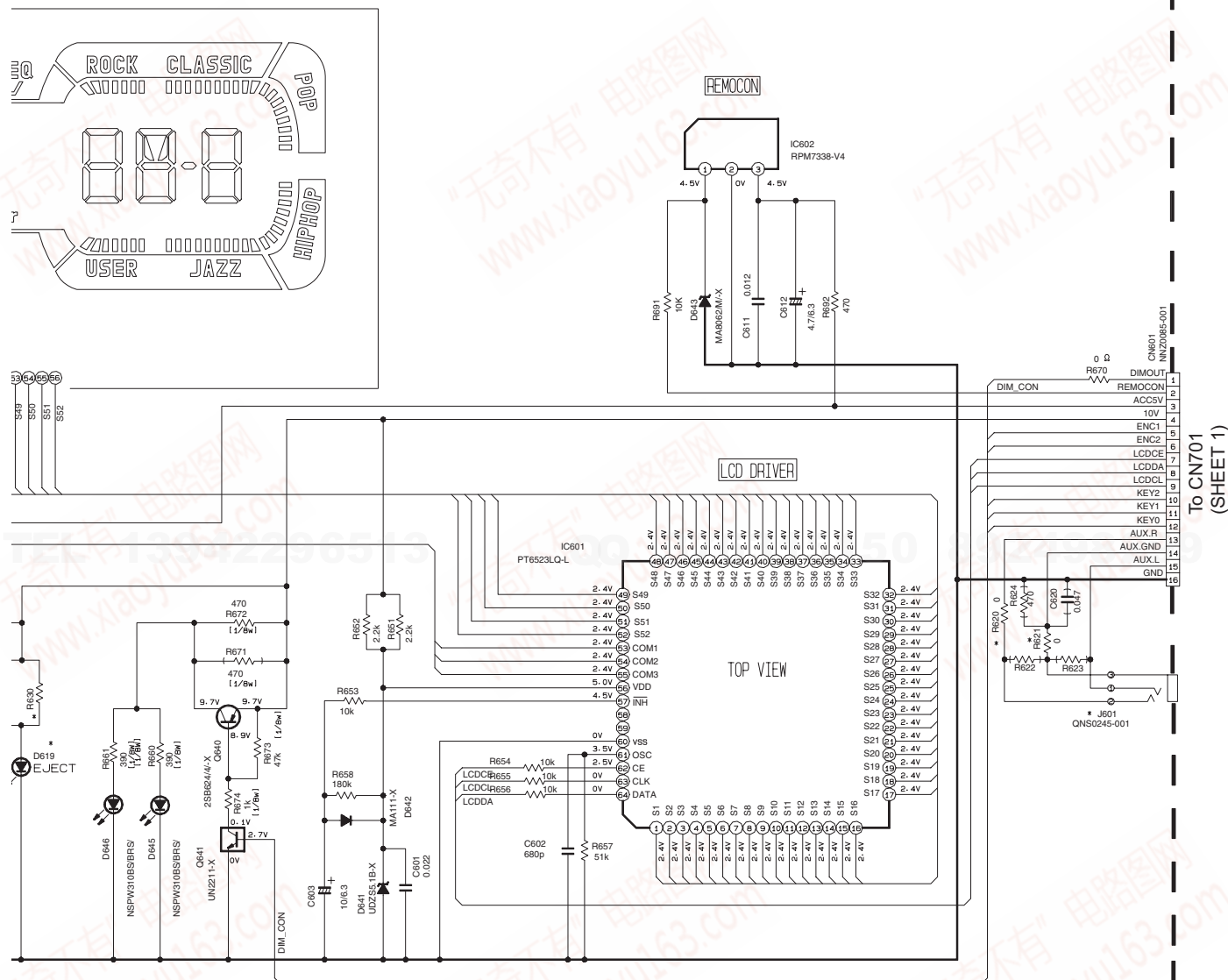
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* REMARKS	KD-AR560J2	KD-G510J2	KD-S51J2	KD-G615U2
D610-D619 D601-D607	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X
D608-D609	SML-310VT/JK/-X	SML-310VT/JK/-X	SML-310VT/JK/-X	CL-190UB2-X-X
R620 R621 J601	USE	USE	NOT USE	USE
R630	1. 2K	1K	1K	1K
R631	1. 2K	-	-	-
R632	1. 2K	820	820	820
R633	1. 2K	-	-	-
R634 R636 R648	270	330	330	330
R641	390	200	200	180
LCD1	QLD0349-001	QLD0349-001	QLD0349-001	QLD0354-001

QQ 376315150 892498299

SW PWB:GEB10134A



NOTES

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

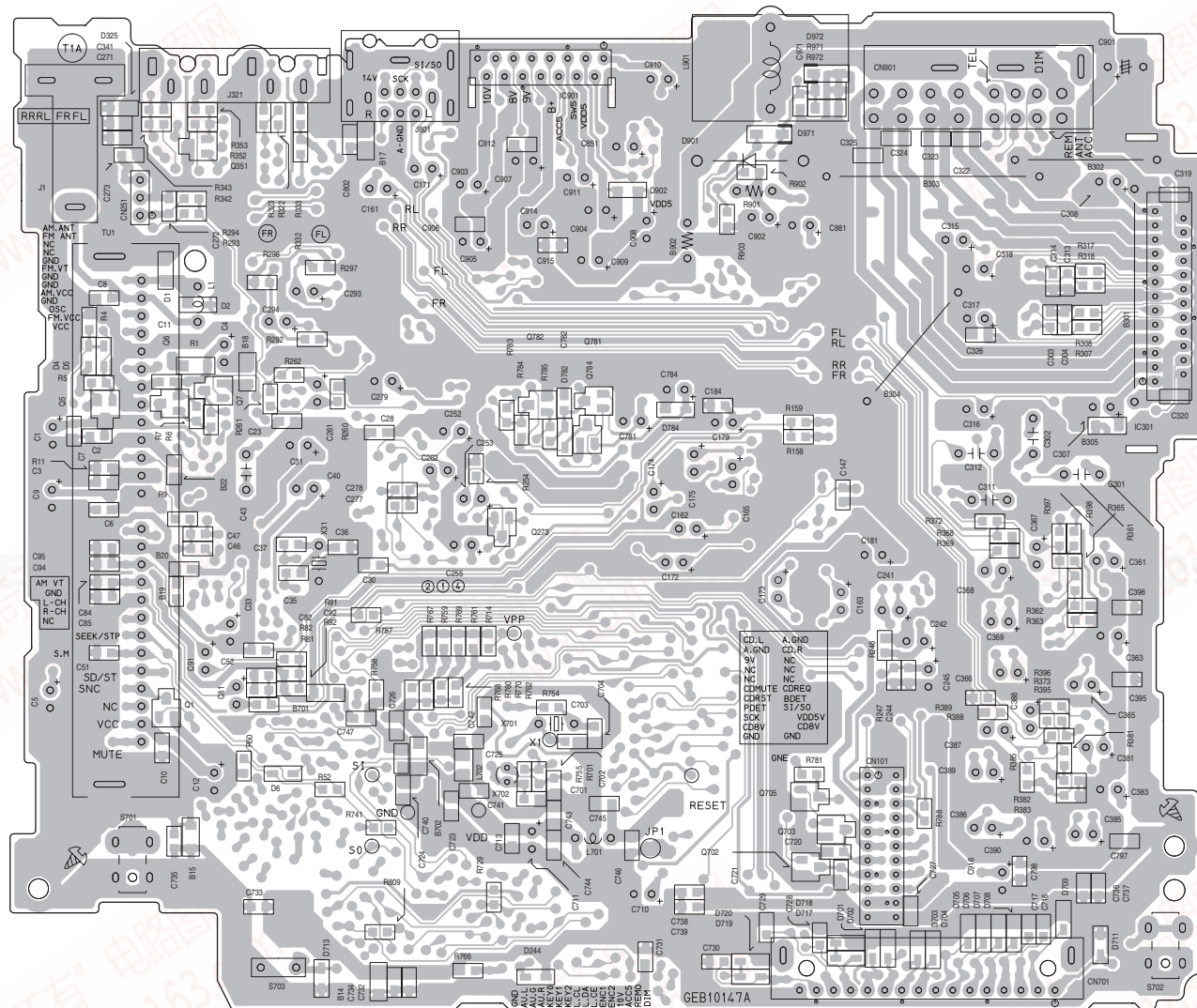
	10K	UN2211
	10K	UN2111

MODEL KD-AR660J2 KD-6510J2
KD-6515J2 SERIES KD-S51J2

SHEET 3

QQ 376315150 892498299

Reverse side



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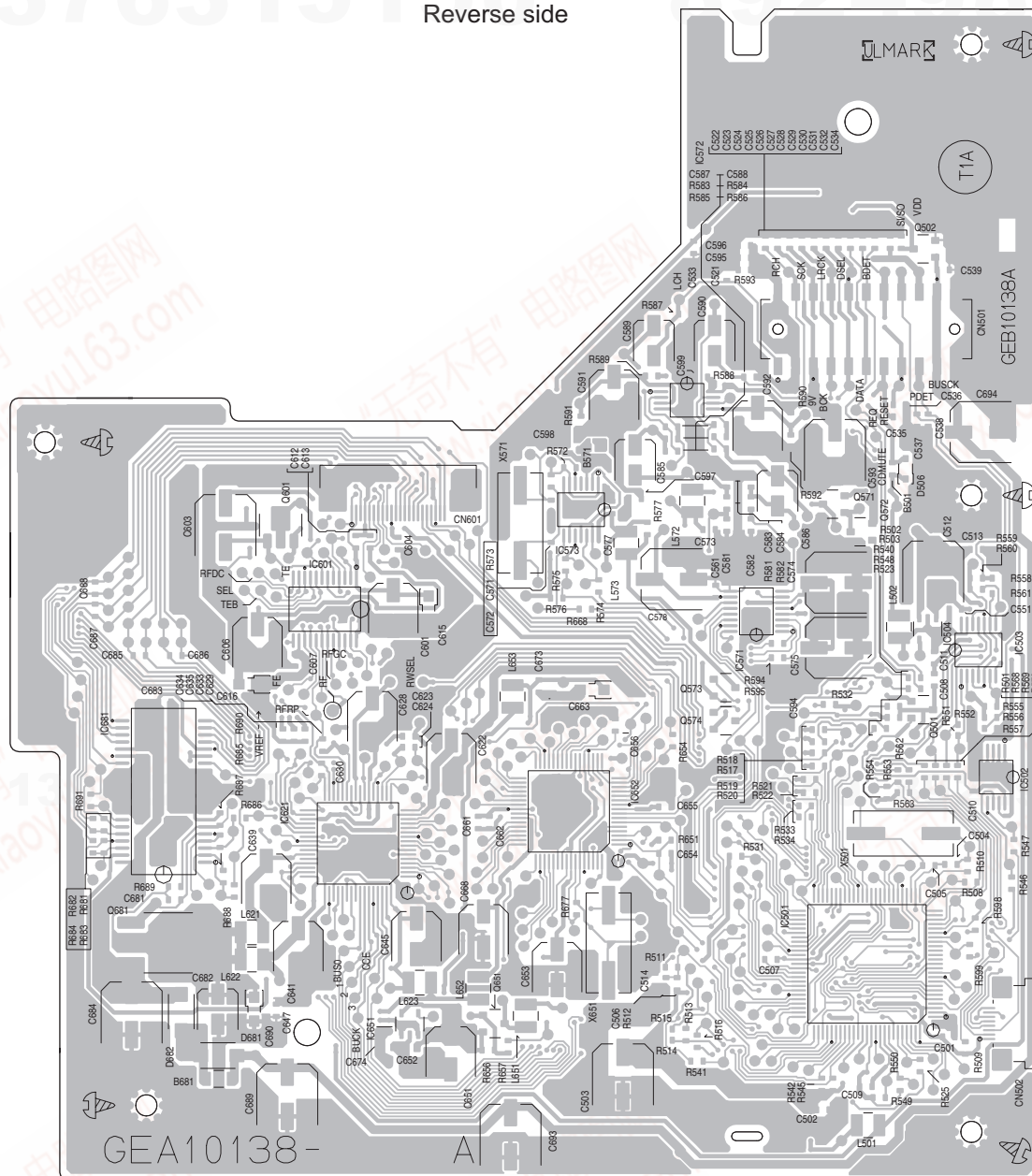
Forward side



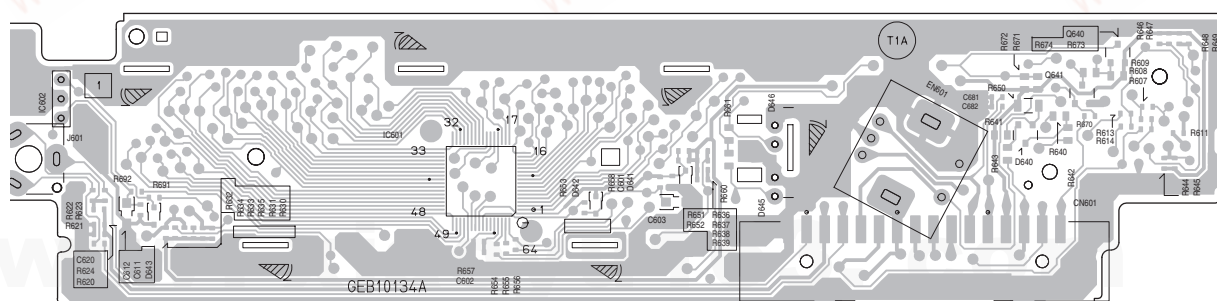
Forward side



Reverse side



Reverse side



QQ 376315150

892498299

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA124SCH)



Printed in Japan
VPT

QQ 376315150

892498299

PARTS LIST

[KD-S51]

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

Area suffix

J ----- Northern America

- Contents -

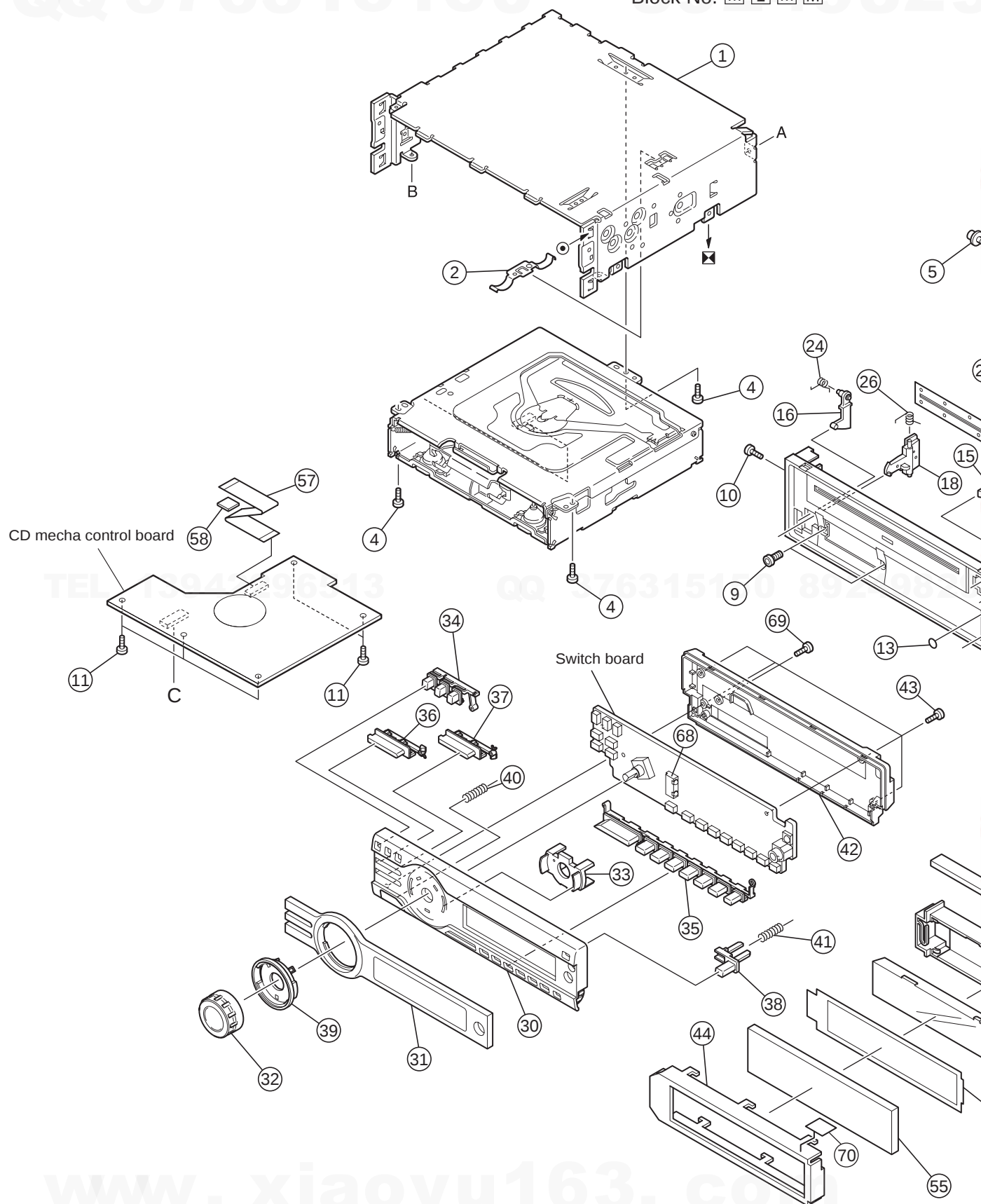
Exploded view of general assembly and parts list (Block No.M1)	3-2
CD mechanism assembly and parts list (Block No.MB)	3-5
Electrical parts list (Block No.01~05)(KD-S51J,KD-S51J2)	3-7
Packing materials and accessories parts list (Block No.M3)	3-20

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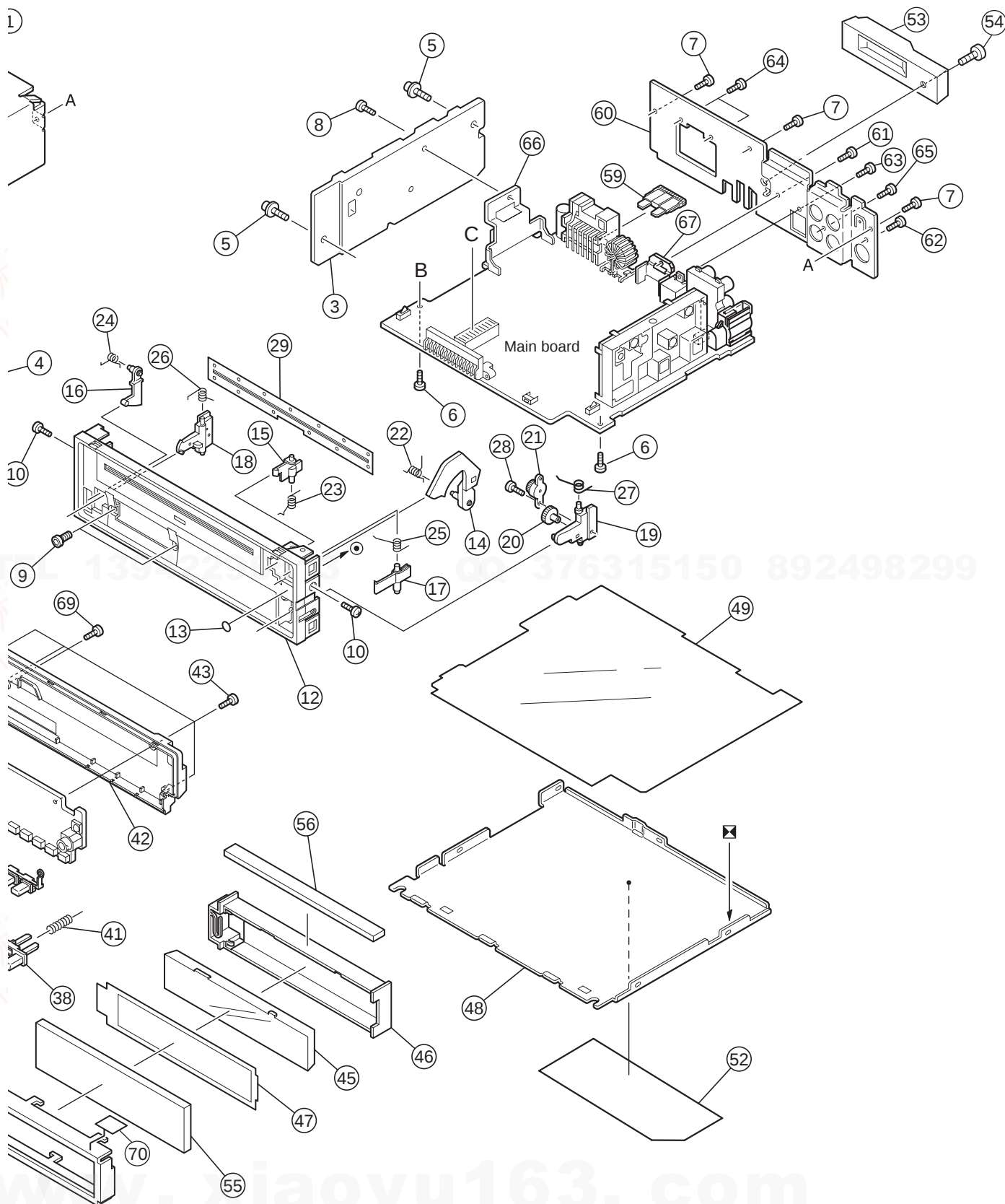
Exploded view of general assembly and parts list

Block No.

M	1	M	M
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General Assembly

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

Symbol No.	Part No.	Part Name	Description	Local
1	GE10043-210A	TOP CHASSIS		
2	GE40135-001A	EARTH PLATE		
3	GE30938-003A	SIDE PANEL		
4	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm(x3)	
5	GE40235-001A	SCREW	(x2)	
6	GE40235-004A	SCREW	(x2)	
7	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm(x3)	
8	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	
9	QYSDSF2006ZA	TAP SCREW	M2 x 6mm(x2)	
10	QYSDST2004ZA	TAP SCREW	M2 x 4mm(x2)	
11	QYSDST2004ZA	TAP SCREW	M2 x 4mm(x5)	
12	GE30823-005A	F.CHASSIS ASSY		
13	FSYH4036-098	SHEET		
14	GE30827-002A	OPEN LEVER		
15	GE30824-002A	LOCK LEVER(O.L)		
16	GE31245-002A	RELEASE LEVER		
17	GE30829-001A	LOCK LEVER(TOP)		
18	GE31607-001A	LOCK LEVER(L)		
19	GE31608-001A	LOCK LEVER(R)		
20	GE40154-001A	GEAR		
21	QZW0108-002	OIL DAMPER		
22	GE40153-001A	T.SPRING		
23	GE40157-001A	T.SPRING		
24	VKW5264-005	T.SPRING		
25	FSKW4012-002	T.SPRING		
26	VKW5263-002	T.SPRING		
27	GE40155-001A	T.SPRING		
28	QYSDSF2006ZA	TAP SCREW	M2 x 6mm	
29	GE40156-001A	BLIND		
30	GE31590-001A	FRONT PANEL ASSY		
31	GE31592-009A	FINDER ASSY		
32	GE40254-004A	VOLUME KNOB ASS		
33	GE31599-001A	RIM LENS		
34	GE31593-003A	D.FUNC BTN		
35	GE20175-003A	PRESET BUTTON		
36	GE31594-005A	UP/DOWN BTN		
37	GE31595-005A	SEARCH BTN		
38	GE31601-006A	EJECT BUTTON		S51J
38	GE31601-001A	EJECT BUTTON		S51J2
39	GE31598-001A	RIM COVER		
40	FSKW3002-012	COMP.SPRING		
41	GE40202-012A	COMPRESSION SPRING		
42	GE10107-001A	REAR COVER		
43	VKZ4777-010	MINI SCREW	(x4)	
44	GE31603-001A	LCD CASE		
45	GE31604-001A	LCD LENS		
46	GE31605-001A	LENS CASE		
47	GE40251-002A	LIGHTING SHEET		
48	GE30393-002A	BOTTOM COVER		
49	FSMA3005-001	INSULATOR		
52	GE31449-001A	NAME PLATE		S51J
52	GE31449-002A	NAME PLATE		S51J2
53	GE40225-001A	CAR STEREO TAG		
54	QYSPSP5014ZA	SCREW	M5 x 14mm	
55	QLD0349-001	LCD MODULE		
56	QNZ0772-001	RUBBER CONN		
57	QUQ105-2207AE	FFC WIRE	22pin 7cm	
58	VYSH101-009	SPACER		
59	QMFZ047-150-T	FUSE	15A	
60	GE30912-015A	REAR BRACKET		
61	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
62	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
63	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
64	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
65	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm	
66	GE40172-004A	IC BRACKET		
67	GE40124-002A	REG BRACKET		
68	GE30854-001A	LED HOLDER		
69	VKZ4777-010	MINI SCREW		
70	GE40218-032A	SHEET		

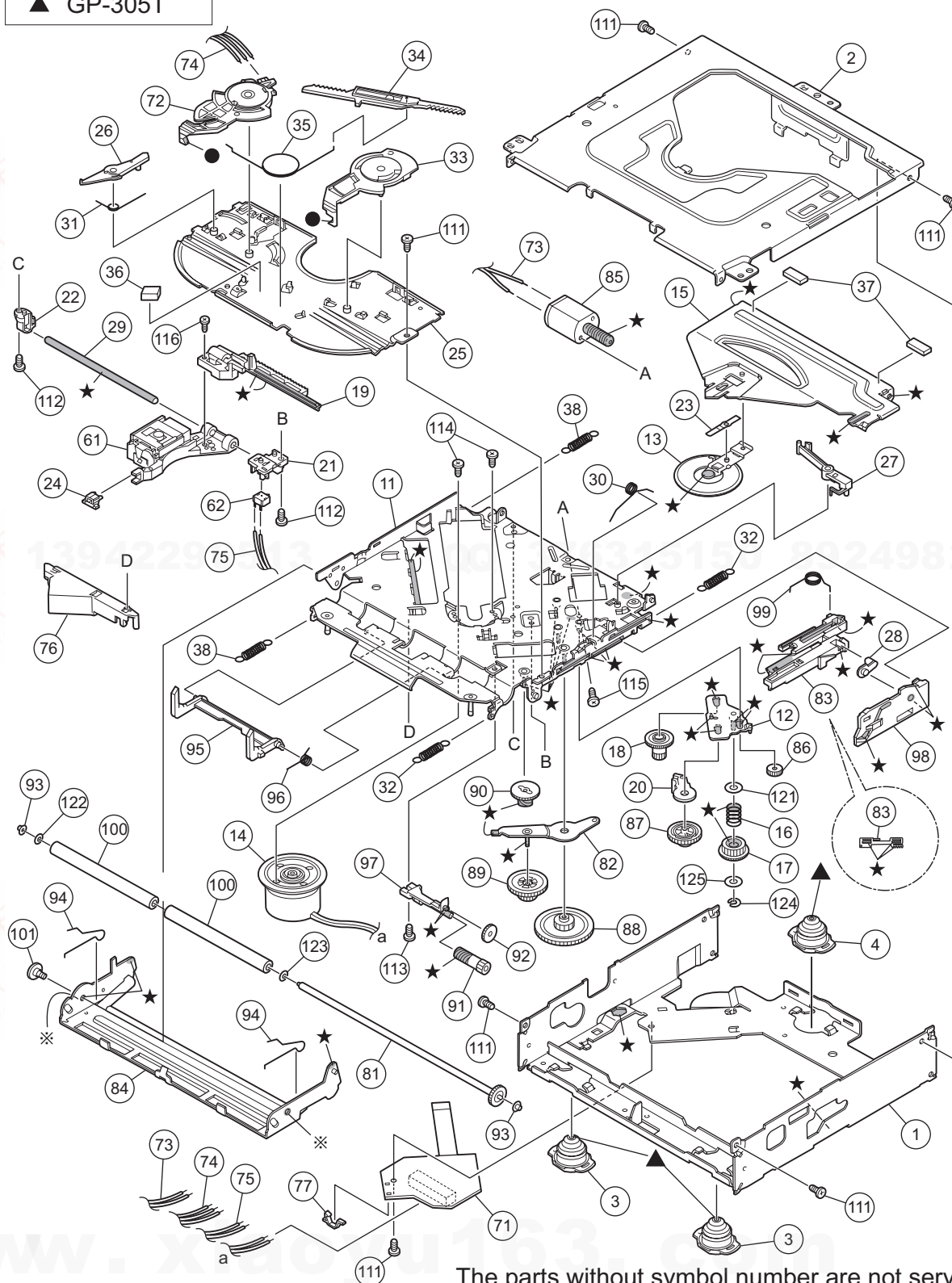
CD mechanism assembly and parts list

Grease

- ★ TNG-87
- ※ GP-501MK
- CFD-005Z
- ▲ GP-305T

TN-2001-1013

Block No. M B M M



The parts without symbol number are not service.

CD mechanism

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

Symbol No.	Part No.	Part Name	Description	Local
1	30320101T	FRAME		
2	30320102T	TOP COVER		
3	30320115T	DANPER F	(x2)	
4	30320116T	DANPER R		
11	303205505T	CHASSIS RIVET		
12	303205503T	CHANGE P. RVT A		
13	303205301T	CLAMPER ASSY		
14	303205302T	SPINDLE MOTOR A		
15	30320502T	CLAMPER ARM		
16	30320503T	CHANGE GEAR SPG		
17	30320505T	CHANGE GEAR 2		
18	30320506T	FEED GEAR		
19	30320507T	FEED RACK		
20	30320509T	CHANGE LOCK RAR		
21	30320510T	FEED SW HOLDER		
22	30320511T	PU SHAFT HOLDER		
23	30320513T	CLAMPER SUB SPG		
24	30320514T	FD SUB HOLDER		
25	30320518T	TOP PLATE		
26	30320519T	SELECT LOCK ARM		
27	30320520T	TRIGGER ARM		
28	30320521T	SLIDE HOOK		
29	30320522T	PU SHAFT		
30	30320525T	CLAMPER ARM SPG		
31	30320526T	SELECT L ARM SP		
32	30320538T	SUSPENSION SP R	(x2)	
33	30320529T	SELECT ARM R		
34	30320530T	LINK PLATE		
35	30320531T	LINK PLATE SPG		
36	30320523T	CUSHION F		
37	30320524T	CUSHION R	(x2)	
38	30320539T	SUSPENSION SP L	(x2)	
61	69011614T	PICKUP OPT-725		
62	64180406T	DET SW ESE22		
71	303210302T	CONN BOARD ASSY		
72	30321002T	MODE SW		
73	30321003T	LOAD MOTOR WIRE		
74	30321005T	MODE SW WIRE		
75	30321009T	SL WIRE		
76	30321011T	WIRE HOLDER		
77	19501403T	WIRE CLUMPER		
81	303211301T	ROLLER SHAFT AS		
82	303211501T	L GEAR PLATE RV		
83	303211302T	LOADING PLATE A		
84	303211502T	LOCK ARM RV ASS		
85	303211303T	L/F MOTOR ASSY		
86	30321101T	LOADING GEAR 1		
87	30321102T	LOADING GEAR 2		
88	30321103T	LOADING GEAR 3		
89	30321104T	LOADING GEAR 4		
90	30321105T	LOADING GEAR 5		
91	30321106T	LOADING GEAR 6		
92	30321107T	LOADING GEAR 7		
93	30321149T	ROLLER GUIDE	(x2)	
94	30321114T	ROLLER GUIDE SP	(x2)	
95	30321116T	DISC STOPPER AR		
96	30321117T	DISC ST ARM SPG		
97	30321118T	LD GEAR BRACKET		
98	30321125T	L SIDE PLATE		
99	30321131T	LOAD PLATE SPG		
100	30321133T	LDG ROLLER	(x2)	
101	18211223T	COLLAR SCREW		
111	9P0420031T	SCREW	(x6)	
112	9P0420041T	TAP.SCREW	(x2)	
113	9B0320041T	SCREW		
114	9C0117183T	SCREW	(x2)	
115	9C0120203T	SCREW		
116	9C0317503T	SCREW		
121	9W0130170T	PW 3.5X8X0.3		
122	9W0513060T	HL WASHER		
123	9W0710070T	L WASHER		
124	9E0100152T	E RING		
125	9W0113020T	PW 2.1X4X0.13		

Electrical parts list

Main board (KD-S51J)

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
IC31	TB2118F-X	PLL IC		S51J
IC161	TDA7404D-E-X	IC		S51J
IC251	NJM4565M-WE	IC		S51J
IC271	CD4066BPW-X	IC		S51J
IC291	CD4066BPW-X	IC		S51J
IC301	TB2906HQ	IC		S51J
IC701	UPD784217AGC322	IC		S51J
IC702	IC-PST3433U-X	IC		S51J
IC771	BR24L16F-W-X	IC		S51J
IC801	HD74HC126FP-X	IC		S51J
IC901	HA13164A	IC		S51J
Q1	KTD1304-X	TRANSISTOR		S51J
Q5	2SB709A/R/-X	TRANSISTOR		S51J
Q6	2SB624/I/-X	TRANSISTOR		S51J
Q7	UN2211-X	TRANSISTOR		S51J
Q8	UN2211-X	TRANSISTOR		S51J
Q31	UN2211-X	TRANSISTOR		S51J
Q241	2SD601A/R/-X	TRANSISTOR		S51J
Q272	UN2111-X	TRANSISTOR		S51J
Q273	UN2211-X	TRANSISTOR		S51J
Q274	UN2211-X	TRANSISTOR		S51J
Q291	UN2211-X	TRANSISTOR		S51J
Q292	UN2211-X	TRANSISTOR		S51J
Q321	KTD1304-X	TRANSISTOR		S51J
Q331	KTD1304-X	TRANSISTOR		S51J
Q341	KTD1304-X	TRANSISTOR		S51J
Q351	KTD1304-X	TRANSISTOR		S51J
Q701	UN2211-X	TRANSISTOR		S51J
Q702	UN2211-X	TRANSISTOR		S51J
Q703	UN2211-X	TRANSISTOR		S51J
Q704	UN2211-X	TRANSISTOR		S51J
Q705	UN2211-X	TRANSISTOR		S51J
Q781	UN2111-X	TRANSISTOR		S51J
Q782	KTD1304-X	TRANSISTOR		S51J
Q784	UN2111-X	TRANSISTOR		S51J
Q881	UN2211-X	TRANSISTOR		S51J
Q901	2SB1132/QR/-W	TRANSISTOR		S51J
Q976	UN2211-X	TRANSISTOR		S51J
Q977	2SB709A/QR/-X	TRANSISTOR		S51J
D1	MA111-X	SI DIODE		S51J
D2	MA111-X	SI DIODE		S51J
D4	MA111-X	SI DIODE		S51J
D5	MA111-X	SI DIODE		S51J
D242	MA111-X	SI DIODE		S51J
D243	RB160M-30-X	SB DIODE		S51J
D244	UDZS5.1B-X	Z DIODE		S51J
D251	UDZS4.7B-X	Z DIODE		S51J
D273	MA111-X	SI DIODE		S51J
D321	MA111-X	SI DIODE		S51J
D325	UDZS11B-X	Z DIODE		S51J
D331	MA111-X	SI DIODE		S51J
D341	MA111-X	SI DIODE		S51J
D351	MA111-X	SI DIODE		S51J
D701	MA8062/M/-X	Z DIODE		S51J
D702	MA8062/M/-X	Z DIODE		S51J
D703	MA8062/M/-X	Z DIODE		S51J
D704	MA8062/M/-X	Z DIODE		S51J
D705	MA8062/M/-X	Z DIODE		S51J
D706	MA8062/M/-X	Z DIODE		S51J
D707	MA8062/M/-X	Z DIODE		S51J
D708	MA8062/M/-X	Z DIODE		S51J
D709	MA8062/M/-X	Z DIODE		S51J
D710	MA111-X	SI DIODE		S51J
D711	MA8062/M/-X	Z DIODE		S51J
D713	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	S51J
D714	SML-310VT/JK/-X	LED		S51J
D715	SML-310VT/JK/-X	LED		S51J
D716	SML-310VT/JK/-X	LED		S51J
D781	MA111-X	SI DIODE		S51J
D782	MA111-X	SI DIODE		S51J
D783	UDZS11B-X	Z DIODE		S51J
D901	1N5401-F64	DIODE		S51J
D902	MA111-X	SI DIODE		S51J
D971	RB160M-30-X	SB DIODE		S51J
D972	RB160M-30-X	SB DIODE		S51J
D996	RB160M-30-X	SB DIODE		S51J
D997	RB160M-30-X	SB DIODE		S51J
C1	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	S51J
C2	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C3	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C4	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J
C5	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	S51J
C6	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C9	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	S51J
C10	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C11	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C12	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J
C30	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C31	QERF1AM-107Z	E CAPACITOR	100uF 10V M	S51J
C32	NDC31HJ-470X	C CAPACITOR	47pF 50V J	S51J
C33	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	S51J
C34	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J
C35	NDC31HJ-100X	C CAPACITOR	10pF 50V J	S51J
C36	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	S51J
C37	NDC31HJ-100X	C CAPACITOR	10pF 50V J	S51J
C38	NCB31HK-102X	C CAPACITOR	1000pF 50V K	S51J
C39	NCB31HK-102X	C CAPACITOR	1000pF 50V K	S51J
C40	QERF1CM-106Z	E CAPACITOR	10uF 16V M	S51J
C41	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J
C42	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C43	QFV61HJ-473Z	MF CAPACITOR	0.047uF 50V J	S51J
C44	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C45	NCB31HK-272X	C CAPACITOR	2700pF 50V K	S51J
C46	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C47	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C48	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J
C49	NCB31HK-102X	C CAPACITOR	1000pF 50V K	S51J
C50	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
C51	NCB31HK-331X	C CAPACITOR	330pF 50V K	S51J
C81	QERF1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C82	NCB31HK-682X	C CAPACITOR	6800pF 50V K	S51J
C84	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	S51J
C85	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	S51J
C91	QERF1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C92	NCB31HK-682X	C CAPACITOR	6800pF 50V K	S51J
C94	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	S51J
C95	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	S51J
C161	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C162	QERF1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C163	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	S51J
C171	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C172	QERF1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C173	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	S51J
C179	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J
C181	QERF1CM-107Z	E CAPACITOR	100uF 16V M	S51J
C182	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C184	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	S51J
C241	QERF1HM-105Z	E CAPACITOR	1uF 50V M	S51J
C242	QERF1CM-226Z	E CAPACITOR	22uF 16V M	S51J
C243	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J
C245	QERF1HM-224Z	E CAPACITOR	0.22uF 50V M	S51J
C251	NCB31HK-822X	C CAPACITOR	8200pF 50V K	S51J
C252	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	S51J
C253	QERF1CM-106Z	E CAPACITOR	10uF 16V M	S51J
C254	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	S51J
C255	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J
C256	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C262	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	S51J
C274	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	S51J
C275	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	S51J
C276	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	S51J
C277	NCB31EK-562X	C CAPACITOR	5600pF 25V K	S51J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C278	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	S51J	C914	QERF1CM-107Z	E CAPACITOR	100uF 16V M	S51J
C279	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	S51J	C915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
C281	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	S51J	C916	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J
C292	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	C961	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C293	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	S51J	C962	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C294	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	S51J	C963	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C298	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	C964	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C301	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	S51J	C965	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C302	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	S51J	C966	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J	C967	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C304	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J	C968	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J
C311	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	S51J	C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C312	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J	S51J					
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J	R1	NRS181J-120X	MG RESISTOR	12Ω 1/8W J	S51J
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J	R2	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C315	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	S51J	R4	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	S51J
C316	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	S51J	R5	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C317	QERF1CM-226Z	E CAPACITOR	22uF 16V M	S51J	R6	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C318	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	S51J	R7	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J
C319	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R8	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C320	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R9	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C322	NCB21HK-472X	C CAPACITOR	4700pF 50V K	S51J	R11	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C323	NCB21HK-472X	C CAPACITOR	4700pF 50V K	S51J	R31	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	S51J
C324	NCB21HK-472X	C CAPACITOR	4700pF 50V K	S51J	R32	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	S51J
C325	NCB21HK-472X	C CAPACITOR	4700pF 50V K	S51J	R33	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C341	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R38	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C368	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	S51J	R39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J
C388	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	S51J	R40	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	S51J
C701	NDC31HJ-220X	C CAPACITOR	22pF 50V J	S51J	R41	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C702	NDC31HJ-270X	C CAPACITOR	27pF 50V J	S51J	R42	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	S51J
C703	NDC31HJ-270X	C CAPACITOR	27pF 50V J	S51J	R43	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	S51J
C704	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	S51J	R44	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	S51J
C705	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J
C706	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R52	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	S51J
C707	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R81	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J
C708	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R82	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	S51J
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R91	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J
C710	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	S51J	R92	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	S51J
C711	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J	R158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C713	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	S51J	R159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
C716	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J
C717	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R162	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R163	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	S51J
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R241	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C722	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R242	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	S51J
C723	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R243	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	S51J
C724	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R244	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	S51J
C725	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R245	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	S51J
C726	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R246	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C727	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R247	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	S51J
C740	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R248	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	S51J
C743	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	S51J	R251	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J
C744	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R252	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	S51J
C745	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	S51J	R253	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J
C746	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J
C747	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J	R256	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J
C771	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J	R257	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	S51J
C781	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	S51J	R258	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	S51J
C782	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	S51J	R259	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J
C784	QERF1CM-107Z	E CAPACITOR	100uF 16V M	S51J	R262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J
C801	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	S51J	R274	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C802	NCB31HK-472X	C CAPACITOR	4700pF 50V K	S51J	R275	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	S51J
C803	NDC31HJ-220X	C CAPACITOR	22pF 50V J	S51J	R276	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	S51J
C804	NDC31HJ-220X	C CAPACITOR	22pF 50V J	S51J	R277	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	S51J
C881	QERF1CM-226Z	E CAPACITOR	22uF 16V M	S51J	R278	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	S51J
C901	QEZ0723-338	E CAPACITOR	3300uF	S51J	R279	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C902	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	S51J	R295	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C903	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J	R296	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C904	QERF1CM-106Z	E CAPACITOR	10uF 16V M	S51J	R297	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C905	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J	R298	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C907	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J	R302	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C908	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J	R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J
C909	QERF1AM-227Z	E CAPACITOR	220uF 10V M	S51J	R308	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J
C910	QERF1CM-476Z	E CAPACITOR	47uF 16V M	S51J	R311	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C911	QERF1CM-106Z	E CAPACITOR	10uF 16V M	S51J	R312	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C912	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J	R317	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
R318	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J	R801	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
R321	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	R802	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
R322	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J	R803	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	R804	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	S51J
R331	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	R805	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J
R332	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J	R806	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
R333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	R807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	R808	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	S51J
R342	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J	R809	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	S51J
R343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	R810	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
R351	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	R881	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
R352	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J	R882	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	S51J
R369	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	R902	NRSA02J-912X	MG RESISTOR	9.1kΩ 1/10W J	S51J
R372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	R903	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J	S51J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	R904	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	S51J
R389	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	R971	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	S51J
R396	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	R972	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	S51J
R398	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	R976	NRSA02J-203X	MG RESISTOR	20kΩ 1/10W J	S51J
R701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	R977	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	S51J
R709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	RA30	NRZ0065-222X	NET RESISTOR	2.2kΩ	S51J
R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	L1	QQL244J-4R7Z	COIL	4.7uH J	S51J
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	L701	QQL244K-4R7Z	COIL	4.7uH K	S51J
R720	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J	L901	QQR1378-002	COIL		S51J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J	CN101	QGB2027M4-22S	CONNECTOR	B-B (1-22)	S51J
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	CN701	QNZ0605-001	CAR CONNECTOR		S51J
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	CN901	QNZ0611-001	16P CONNECTOR		S51J
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	J1	QNB0100-002	CAR ANT JACK		S51J
R726	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	J321	QNN0489-001	PIN JACK		S51J
R728	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	J801	QNZ0095-001	CONNECTOR		S51J
R729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	S701	QSW0451-001	DETECT SW		S51J
R730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	S702	QSW0451-001	DETECT SW		S51J
R731	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	S703	QSW1049-001Z	TACT SW		S51J
R732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	TU1	QAU0312-002	TUNER PACK		S51J
R734	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	X31	QAX0616-001Z	CRYSTAL	10.250MHz	S51J
R735	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	X701	QAX0617-001Z	CRYSTAL	12.500MHz	S51J
R736	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J	X702	QAX0401-001	CRYSTAL	32.768KHz	S51J
R737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J					
R738	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R740	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R743	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R744	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R745	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R749	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R753	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R754	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R755	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	S51J					
R756	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R757	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R759	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R763	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J					
R764	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J					
R765	NRS181J-271X	MG RESISTOR	270Ω 1/8W J	S51J					
R766	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R767	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R771	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	S51J					
R772	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	S51J					
R775	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R776	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R781	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R783	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R784	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R785	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R787	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J					
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J					
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J					

Switch board (KD-S51J)

Block No. [0][2]

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
IC601	PT6523LQ-L	LCD DRIVER		S51J	R661	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	S51J
IC602	RPM7338-V4	RM.RECEIVER		S51J	R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J
Q640	2SB624/4/-X	TRANSISTOR		S51J	R672	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	S51J
Q641	UN2211-X	TRANSISTOR		S51J	R673	NRSA02J-473X	MG RESISTOR	47kΩ 1/10W J	S51J
D601	SML-310VT/JK/-X	LED		S51J	R674	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	S51J
D602	SML-310VT/JK/-X	LED		S51J	R691	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J
D603	SML-310VT/JK/-X	LED		S51J	R692	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	S51J
D604	SML-310VT/JK/-X	LED		S51J	CN601	NNZ0085-001	CAR CONNECTOR		S51J
D605	SML-310VT/JK/-X	LED		S51J	EN601	QSW1115-002	ROTARY ENCODER		S51J
D606	SML-310VT/JK/-X	LED		S51J	S601	NSW0206-001X	TACT SWITCH		S51J
D607	SML-310VT/JK/-X	LED		S51J	S602	NSW0206-001X	TACT SWITCH		S51J
D608	SML-310VT/JK/-X	LED		S51J	S603	NSW0206-001X	TACT SWITCH		S51J
D609	SML-310VT/JK/-X	LED		S51J	S604	NSW0206-001X	TACT SWITCH		S51J
D610	SML-310VT/JK/-X	LED		S51J	S605	NSW0206-001X	TACT SWITCH		S51J
D611	SML-310VT/JK/-X	LED		S51J	S606	NSW0206-001X	TACT SWITCH		S51J
D612	SML-310VT/JK/-X	LED		S51J	S607	NSW0206-001X	TACT SWITCH		S51J
D613	SML-310VT/JK/-X	LED		S51J	S608	NSW0206-001X	TACT SWITCH		S51J
D614	SML-310VT/JK/-X	LED		S51J	S609	NSW0206-001X	TACT SWITCH		S51J
D615	SML-310VT/JK/-X	LED		S51J	S610	NSW0206-001X	TACT SWITCH		S51J
D616	SML-310VT/JK/-X	LED		S51J	S611	NSW0206-001X	TACT SWITCH		S51J
D617	SML-310VT/JK/-X	LED		S51J	S612	NSW0206-001X	TACT SWITCH		S51J
D618	SML-310VT/JK/-X	LED		S51J	S613	NSW0206-001X	TACT SWITCH		S51J
D619	SML-310VT/JK/-X	LED		S51J	S614	NSW0206-001X	TACT SWITCH		S51J
D640	MA152WK-X	SI DIODE		S51J	S616	NSW0206-001X	TACT SWITCH		S51J
D641	UDZS5.1B-X	Z DIODE		S51J	S617	NSW0206-001X	TACT SWITCH		S51J
D642	MA111-X	SI DIODE		S51J					
D643	MA8062/M/-X	Z DIODE		S51J					
D645	NSPW310BS/BRS/	LED		S51J					
D646	NSPW310BS/BRS/	LED		S51J					
C601	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	S51J					
C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	S51J					
C603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	S51J					
C611	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	S51J					
C612	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	S51J					
R601	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R602	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R603	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J					
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	S51J					
R605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	S51J					
R606	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	S51J					
R607	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R608	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R609	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	S51J					
R610	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	S51J					
R611	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	S51J					
R612	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	S51J					
R613	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R614	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R630	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J					
R632	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	S51J					
R634	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	S51J					
R636	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	S51J					
R638	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	S51J					
R640	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	S51J					
R641	NRSA02J-201X	MG RESISTOR	200Ω 1/10W J	S51J					
R642	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	S51J					
R643	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	S51J					
R644	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	S51J					
R646	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	S51J					
R648	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	S51J					
R651	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R652	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R657	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	S51J					
R658	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	S51J					
R660	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	S51J					

CD mechanism control board

Block No. [0][3]

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
IC501	TMP91CW12AF5VD9	IC		S51J	C512	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J
IC501	TMP91CW12AF5VD9	IC			C512	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	
IC502	BR24L01AFV-W-X	IC		S51J	C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
IC502	BR24L01AFV-W-X	IC			C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC503	SN74AHCT126PW-X	IC(DIGITAL)		S51J	C514	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	S51J
IC503	SN74AHCT126PW-X	IC(DIGITAL)			C514	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
IC504	NJU7241F33-X	IC		S51J	C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
IC504	NJU7241F33-X	IC			C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC571	PCM1753-X	IC		S51J	C561	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	S51J
IC571	PCM1753-X	IC			C561	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	
IC572	NJM4580V-X	IC		S51J	C571	NDC31HJ-270X	C CAPACITOR	27pF 50V J	S51J
IC572	NJM4580V-X	IC			C571	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
IC573	SN74AHCU04PW-X	IC		S51J	C572	NDC31HJ-270X	C CAPACITOR	27pF 50V J	S51J
IC573	SN74AHCU04PW-X	IC			C572	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
IC601	TA2157FN-X	RF AMP IC		S51J	C573	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
IC601	TA2157FN-X	RF AMP IC			C573	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC621	TC94A14FA	CD LSI IC		S51J	C574	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J
IC621	TC94A14FA	CD LSI IC			C574	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	
IC651	NJU7772F15-X	IC		S51J	C575	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J
IC651	NJU7772F15-X	IC			C575	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	
IC652	TC94A34FG-002	IC		S51J	C577	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
IC652	TC94A34FG-002	IC			C577	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC681	BA5830FP-X	IC		S51J	C578	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J
IC681	BA5830FP-X	IC			C578	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	
Q501	UN2111-X	TRANSISTOR		S51J	C580	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	S51J
Q501	UN2111-X	TRANSISTOR			C580	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	
Q502	UN2211-X	TRANSISTOR		S51J	C581	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
Q502	UN2211-X	TRANSISTOR			C581	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
Q571	UN2111-X	TRANSISTOR		S51J	C582	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
Q571	UN2111-X	TRANSISTOR			C582	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
Q572	UN2211-X	TRANSISTOR		S51J	C583	NCS31HJ-821X	C CAPACITOR	820pF 50V J	S51J
Q572	UN2211-X	TRANSISTOR			C583	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
Q573	2SB624/4/-X	TRANSISTOR		S51J	C584	NCS31HJ-821X	C CAPACITOR	820pF 50V J	S51J
Q573	2SB624/4/-X	TRANSISTOR			C584	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
Q574	UN2211-X	TRANSISTOR		S51J	C585	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	S51J
Q574	UN2211-X	TRANSISTOR			C585	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
Q601	2SB1132/QR/-W	TRANSISTOR		S51J	C586	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	S51J
Q601	2SB1132/QR/-W	TRANSISTOR			C586	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
Q651	2SB624/4/-X	TRANSISTOR		S51J	C587	NDC31HJ-151X	C CAPACITOR	150pF 50V J	S51J
Q651	2SB624/4/-X	TRANSISTOR			C587	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
Q652	UN2211-X	TRANSISTOR		S51J	C588	NDC31HJ-151X	C CAPACITOR	150pF 50V J	S51J
Q652	UN2211-X	TRANSISTOR			C588	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
Q681	2SB1184/QR/-X	TRANSISTOR		S51J	C589	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	S51J
Q681	2SB1184/QR/-X	TRANSISTOR			C589	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
D506	MA111-X	SI DIODE		S51J	C590	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	S51J
D506	MA111-X	SI DIODE			C590	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
D682	1SR154-400-X	DIODE		S51J	C591	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J
D682	1SR154-400-X	DIODE			C591	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C592	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C592	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C593	NEAG1CM-476X	E CAPACITOR	47uF 16V M	S51J
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C593	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C503	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J	C594	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	S51J
C503	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C594	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C504	NDC31HJ-220X	C CAPACITOR	22pF 50V J	S51J	C595	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J
C504	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C595	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C505	NDC31HJ-220X	C CAPACITOR	22pF 50V J	S51J	C596	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
C505	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C596	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C597	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	S51J
C506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C597	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C598	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	S51J
C507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C598	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C598	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C601	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C601	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C603	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	S51J
C511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J	C603	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M	
C511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
					C604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C605	NCB31HK-682X	C CAPACITOR	6800pF 50V K	S51J
					C605	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
					C606	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J
					C606	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
					C607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
					C607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
C609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J	C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
C610	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	S51J	C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C610	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J		C660	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
C611	NDC31HJ-680X	C CAPACITOR	68pF 50V J	S51J	C660	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C611	NDC31HJ-680X	C CAPACITOR	68pF 50V J		C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C612	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C612	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C662	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
C613	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C662	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C613	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C663	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	S51J
C614	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C663	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C614	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C664	NCB31HK-222X	C CAPACITOR	2200pF 50V K	S51J
C616	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	S51J	C664	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C616	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C665	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	S51J
C621	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C665	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C621	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C666	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J
C622	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	C666	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C622	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		C667	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C623	NDC31HJ-470X	C CAPACITOR	47pF 50V J	S51J	C667	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C623	NDC31HJ-470X	C CAPACITOR	47pF 50V J		C668	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J
C624	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	S51J	C668	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C624	NCB31HK-153X	C CAPACITOR	0.015uF 50V K		C669	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J
C625	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C669	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C625	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C682	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	S51J
C626	NCB31HK-272X	C CAPACITOR	2700pF 50V K	S51J	C682	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
C626	NCB31HK-272X	C CAPACITOR	2700pF 50V K		C683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J
C627	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	C683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C627	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C684	NEAG1CM-476X	E CAPACITOR	47uF 16V M	S51J
C628	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	C684	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C628	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		C689	NEAG1CM-476X	E CAPACITOR	47uF 16V M	S51J
C629	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	S51J	C689	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C629	NCB31EK-333X	C CAPACITOR	0.033uF 25V K		C690	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	S51J
C630	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	S51J	C690	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C630	NCB31EK-333X	C CAPACITOR	0.033uF 25V K		C693	NEAG1CM-476X	E CAPACITOR	47uF 16V M	S51J
C631	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J	C693	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C631	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C632	NDC31HJ-471X	C CAPACITOR	470pF 50V J	S51J	R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C632	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C633	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J	R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C633	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C634	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J	R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C634	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C635	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J	R504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C635	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C636	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J	R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C636	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C637	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	S51J	R506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C637	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C638	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C638	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C639	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	R508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C639	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C641	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C641	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C642	NDC31HJ-101X	C CAPACITOR	100pF 50V J	S51J	R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C642	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C643	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C643	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C644	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	S51J	R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C644	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		R514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C645	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	R514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C645	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R515	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J
C646	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R515	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C646	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J
C651	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C651	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C653	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	S51J	R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C653	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	S51J	R519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J
C655	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	S51J	R520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C655	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
R613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	S51J	R686	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R687	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	S51J
R614	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	S51J	R687	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R614	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R688	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	S51J
R615	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	S51J	R688	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R615	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R689	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	S51J
R616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	R689	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R690	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	S51J
R621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	S51J	R690	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R691	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	S51J
R622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	S51J	R691	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L501	NQL114K-470X	INDUCITOR	47uH K	S51J
R623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	S51J	L501	NQL114K-470X	INDUCITOR	47uH K	
R623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L502	NQL114K-470X	INDUCITOR	47uH K	S51J
R624	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	S51J	L502	NQL114K-470X	INDUCITOR	47uH K	
R624	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		L502	NQL114K-470X	INDUCITOR	47uH K	
R625	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J	L572	NQL114K-470X	INDUCITOR	47uH K	S51J
R625	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L572	NQL114K-470X	INDUCITOR	47uH K	
R626	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	S51J	L621	NQL114K-470X	INDUCITOR	47uH K	S51J
R626	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		L621	NQL114K-470X	INDUCITOR	47uH K	
R627	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	S51J	L622	NQL114K-470X	INDUCITOR	47uH K	S51J
R627	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L622	NQL114K-470X	INDUCITOR	47uH K	
R628	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	S51J	L623	NQL114K-470X	INDUCITOR	47uH K	S51J
R628	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J		L623	NQL114K-470X	INDUCITOR	47uH K	
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J	L651	NQL114K-470X	INDUCITOR	47uH K	S51J
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L651	NQL114K-470X	INDUCITOR	47uH K	
R630	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	L652	NQL114K-470X	INDUCITOR	47uH K	S51J
R630	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L652	NQL114K-470X	INDUCITOR	47uH K	
R631	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	L653	NQL114K-470X	INDUCITOR	47uH K	S51J
R631	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L653	NQL114K-470X	INDUCITOR	47uH K	
R632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	CN501	QGB2027L1-22X	CONNECTOR	B-B (1-22)	S51J
R632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN501	QGB2027L1-22X	CONNECTOR	B-B (1-22)	
R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	CN601	QGF0527F2-22W	CONNECTOR	FFC/FPC (1-22)	S51J
R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN601	QGF0527F2-22W	CONNECTOR	FFC/FPC (1-22)	
R634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	S51J	TH501	NAD0028-103X	N THERMISTOR	10kΩ	S51J
R634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		TH501	NAD0028-103X	N THERMISTOR	10kΩ	
R635	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	X501	NAX0385-001X	CRYSTAL	24.576MHz	S51J
R635	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		X501	NAX0385-001X	CRYSTAL	24.576MHz	
R636	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	S51J	X571	NAX0375-001X	CRYSTAL	16.9344MHz	S51J
R636	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		X571	NAX0375-001X	CRYSTAL	16.9344MHz	
R637	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	S51J					
R637	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J						
R638	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R638	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R639	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R639	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R640	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R640	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R641	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S51J					
R641	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R651	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	S51J					
R651	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R654	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	S51J					
R654	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J						
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S51J					
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R656	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S51J					
R656	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R657	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R657	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R668	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	S51J					
R668	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R675	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	S51J					
R675	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R681	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	S51J					
R681	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J						
R682	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	S51J					
R682	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R683	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	S51J					
R683	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J						
R684	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	S51J					
R684	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J						
R685	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	S51J					
R685	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J						
R686	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	S51J					

Main board (KD-S51J2)

Block No. [0][4]

Symbol No.	Part No.	Part Name	Description	Local
IC31	TB2118F-X	PLL IC		
IC161	TDA7404D-E-X	IC		
IC251	NJM4565M-WE	IC		
IC271	CD4066BPW-X	IC		
IC291	CD4066BPW-X	IC		
IC301	TB2906HQ	IC		
IC701	UPD784217AGC322	IC		
IC702	IC-PST3433U-X	IC		
IC771	BR24L16F-W-X	IC		
IC801	HD74HC126FP-X	IC		
IC901	HA13164A	IC		
Q1	KTD1304-X	TRANSISTOR		
Q5	2SB709A/R/-X	TRANSISTOR		
Q6	2SB624/4/-X	TRANSISTOR		
Q7	UN2211-X	TRANSISTOR		
Q8	UN2211-X	TRANSISTOR		
Q31	UN2211-X	TRANSISTOR		
Q241	2SD601A/R/-X	TRANSISTOR		
Q272	UN2111-X	TRANSISTOR		
Q273	UN2211-X	TRANSISTOR		
Q274	UN2211-X	TRANSISTOR		
Q291	UN2211-X	TRANSISTOR		
Q292	UN2211-X	TRANSISTOR		
Q321	KTD1304-X	TRANSISTOR		
Q331	KTD1304-X	TRANSISTOR		
Q341	KTD1304-X	TRANSISTOR		
Q351	KTD1304-X	TRANSISTOR		
Q701	UN2211-X	TRANSISTOR		
Q702	UN2211-X	TRANSISTOR		
Q703	UN2211-X	TRANSISTOR		
Q704	UN2211-X	TRANSISTOR		
Q705	UN2211-X	TRANSISTOR		
Q781	UN2111-X	TRANSISTOR		
Q782	KTD1304-X	TRANSISTOR		
Q784	UN2111-X	TRANSISTOR		
Q881	UN2211-X	TRANSISTOR		
Q901	2SB1132/QR/-W	TRANSISTOR		
Q976	UN2211-X	TRANSISTOR		
Q977	2SB709A/QR/-X	TRANSISTOR		
D1	MA111-X	SI DIODE		
D2	MA111-X	SI DIODE		
D4	MA111-X	SI DIODE		
D5	MA111-X	SI DIODE		
D242	MA111-X	SI DIODE		
D243	RB160M-30-X	SB DIODE		
D244	UDZS5.1B-X	Z DIODE		
D251	UDZS4.7B-X	Z DIODE		
D273	MA111-X	SI DIODE		
D321	MA111-X	SI DIODE		
D325	UDZS11B-X	Z DIODE		
D331	MA111-X	SI DIODE		
D341	MA111-X	SI DIODE		
D351	MA111-X	SI DIODE		
D701	MA8062/M/-X	Z DIODE		
D702	MA8062/M/-X	Z DIODE		
D703	MA8062/M/-X	Z DIODE		
D704	MA8062/M/-X	Z DIODE		
D705	MA8062/M/-X	Z DIODE		
D706	MA8062/M/-X	Z DIODE		
D707	MA8062/M/-X	Z DIODE		
D708	MA8062/M/-X	Z DIODE		
D709	MA8062/M/-X	Z DIODE		
D710	MA111-X	SI DIODE		
D711	MA8062/M/-X	Z DIODE		
D713	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D714	SML-310VT/JK/-X	LED		
D715	SML-310VT/JK/-X	LED		
D716	SML-310VT/JK/-X	LED		
D781	MA111-X	SI DIODE		
D782	MA111-X	SI DIODE		
D783	MA111-X	SI DIODE		

Symbol No.	Part No.	Part Name	Description	Local
D784	UDZS11B-X	Z DIODE		
D901	1N5401-F64	DIODE		
D902	MA111-X	SI DIODE		
D971	RB160M-30-X	SB DIODE		
D972	RB160M-30-X	SB DIODE		
D996	RB160M-30-X	SB DIODE		
D997	RB160M-30-X	SB DIODE		
C1	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C2	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C5	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	
C6	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C10	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C11	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C12	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C28	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C30	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C31	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C32	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C33	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C34	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C35	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C36	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C37	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C38	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C39	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C40	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C41	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C42	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C43	QFV61HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C44	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C45	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C46	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C47	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C48	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C49	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C50	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C51	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C81	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C82	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C84	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C85	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	
C91	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C92	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C94	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C95	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	
C161	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C162	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C163	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	
C171	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C172	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C173	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	
C179	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C181	QERF1CM-107Z	E CAPACITOR	100uF 16V M	
C182	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C184	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C241	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C242	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C243	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C245	QERF1HM-224Z	E CAPACITOR	0.22uF 50V M	
C251	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C252	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C253	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C254	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	
C255	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C256	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C262	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C274	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C275	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C276	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C277	NCB31EK-562X	C CAPACITOR	5600pF 25V K	
C278	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	
C279	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C281	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C292	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C293	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		C916	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C294	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		C961	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C298	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C962	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C301	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C963	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C302	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C964	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C965	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C304	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C966	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C311	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C967	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C312	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C968	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J						
C315	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		R1	NRS181J-120X	MG RESISTOR	12Ω 1/8W J	
C316	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R2	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C317	QERF1CM-226Z	E CAPACITOR	22uF 16V M		R4	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C318	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		R5	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C319	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R6	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C320	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R7	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C322	NCB21HK-472X	C CAPACITOR	4700pF 50V K		R8	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C323	NCB21HK-472X	C CAPACITOR	4700pF 50V K		R9	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C324	NCB21HK-472X	C CAPACITOR	4700pF 50V K		R11	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C325	NCB21HK-472X	C CAPACITOR	4700pF 50V K		R31	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
C341	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R32	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C368	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R33	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C388	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R38	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C701	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C702	NDC31HJ-270X	C CAPACITOR	27pF 50V J		R40	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C703	NDC31HJ-270X	C CAPACITOR	27pF 50V J		R41	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C704	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J		R42	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
C705	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R43	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C706	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R44	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C707	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C708	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R52	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R81	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C710	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		R82	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C711	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R91	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C713	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		R92	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C716	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C717	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R162	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C722	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R163	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C723	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R241	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C724	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R242	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C725	NCB31AK-224X	C CAPACITOR	0.22uF 10V K		R243	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
C726	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R244	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C727	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R245	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R246	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C740	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R247	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C741	NCB31AK-224X	C CAPACITOR	0.22uF 10V K		R248	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C743	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		R251	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C744	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R252	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
C745	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		R253	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C746	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C747	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R256	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C771	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R257	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C781	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M		R258	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C782	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R259	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C784	QERF1CM-107Z	E CAPACITOR	100uF 16V M		R262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C801	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R274	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C802	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R275	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C803	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R276	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C804	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R277	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C881	QERF1CM-226Z	E CAPACITOR	22uF 16V M		R278	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C901	QEZ0723-338	E CAPACITOR	3300uF		R279	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C902	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		R295	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C903	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R296	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C904	QERF1CM-106Z	E CAPACITOR	10uF 16V M		R297	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C905	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R298	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C907	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R302	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C908	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R307	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C909	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R308	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C910	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R311	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C911	QERF1CM-106Z	E CAPACITOR	10uF 16V M		R312	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C912	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R317	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C914	QERF1CM-107Z	E CAPACITOR	100uF 16V M		R318	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
R321	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R802	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R322	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R803	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R804	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R331	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R805	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R332	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R806	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R808	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R342	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R809	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R810	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R351	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R881	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R352	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R882	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	
R369	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R902	NRSA02J-912X	MG RESISTOR	9.1kΩ 1/10W J	
R372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R903	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J	
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R904	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
R389	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R971	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R396	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R972	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R398	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R976	NRSA02J-203X	MG RESISTOR	20kΩ 1/10W J	
R701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R977	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA30	NRZ0065-222X	NET RESISTOR	2.2kΩ	
R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L1	QQL244J-4R7Z	COIL	4.7uH J	
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L701	QQL244K-4R7Z	COIL	4.7uH K	
R720	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		L702	NQL79GM-4R7X	COIL	4.7uH M	
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		L901	QQR1378-002	COIL		
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN101	QGB2027M4-22S	CONNECTOR	B-B (1-22)	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN701	QNZ0605-001	CAR CONNECTOR		
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN901	QNZ0611-001	16P CONNECTOR		
R726	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		J1	QNB0100-002	CAR ANT JACK		
R728	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		J321	QNN0489-001	PIN JACK		
R729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		J801	QNZ0095-001	CONNECTOR		
R730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		S701	QSW0451-001	DETECT SW		
R731	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		S702	QSW0451-001	DETECT SW		
R732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		S703	QSW1049-001Z	TACT SW		
R734	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		TU1	QAU0223-001	TUNER		
R735	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		X31	QAX0616-001Z	CRYSTAL	10.250MHz	
R736	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		X701	QAX0617-001Z	CRYSTAL	12.500MHz	
R737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		X702	QAX0401-001	CRYSTAL	32.768KHz	
R738	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R740	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R743	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R744	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R745	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R749	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R753	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R754	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J						
R755	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J						
R756	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R757	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R759	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R763	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R764	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R765	NRS181J-271X	MG RESISTOR	270Ω 1/8W J						
R766	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R767	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R771	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J						
R772	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J						
R775	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R776	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R781	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R783	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R784	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R785	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R787	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R801	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						

Switch board (KD-S51J2)

Block No. [0][5]

△ Symbol No.	Part No.	Part Name	Description	Local
IC601	PT6523LQ-L	LCD DRIVER		
IC602	RPM7338-V4	RM.RECEIVER		
Q640	2SB624/4/-X	TRANSISTOR		
Q641	UN2211-X	TRANSISTOR		
D601	SML-310VT/JK/-X	LED		
D602	SML-310VT/JK/-X	LED		
D603	SML-310VT/JK/-X	LED		
D604	SML-310VT/JK/-X	LED		
D605	SML-310VT/JK/-X	LED		
D606	SML-310VT/JK/-X	LED		
D607	SML-310VT/JK/-X	LED		
D608	SML-310VT/JK/-X	LED		
D609	SML-310VT/JK/-X	LED		
D610	SML-310VT/JK/-X	LED		
D611	SML-310VT/JK/-X	LED		
D612	SML-310VT/JK/-X	LED		
D613	SML-310VT/JK/-X	LED		
D614	SML-310VT/JK/-X	LED		
D615	SML-310VT/JK/-X	LED		
D616	SML-310VT/JK/-X	LED		
D617	SML-310VT/JK/-X	LED		
D618	SML-310VT/JK/-X	LED		
D619	SML-310VT/JK/-X	LED		
D640	MA152WK-X	SI DIODE		
D641	UDZS5.1B-X	Z DIODE		
D642	MA111-X	SI DIODE		
D643	MA8062/M/-X	Z DIODE		
D645	NSPW310BS/BRS/	LED		
D646	NSPW310BS/BRS/	LED		
C601	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C611	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C612	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
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-392X	MG RESISTOR	3.9kΩ 1/16W J	
R607	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R608	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R609	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R610	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R611	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R612	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R613	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R614	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R630	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R632	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R634	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R636	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R638	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R640	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R641	NRSA02J-201X	MG RESISTOR	200Ω 1/10W J	
R642	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R643	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R644	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R646	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R648	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R651	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R652	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R658	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R660	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R661	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R672	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R673	NRSA02J-473X	MG RESISTOR	47kΩ 1/10W J	
R674	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R691	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R692	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
CN601	NNZ0085-001	CAR CONNECTOR		
EN601	QSW1115-002	ROTARY ENCODER		
S601	NSW0206-001X	TACT SWITCH		
S602	NSW0206-001X	TACT SWITCH		
S603	NSW0206-001X	TACT SWITCH		
S604	NSW0206-001X	TACT SWITCH		
S605	NSW0206-001X	TACT SWITCH		
S606	NSW0206-001X	TACT SWITCH		
S607	NSW0206-001X	TACT SWITCH		
S608	NSW0206-001X	TACT SWITCH		
S609	NSW0206-001X	TACT SWITCH		
S610	NSW0206-001X	TACT SWITCH		
S611	NSW0206-001X	TACT SWITCH		
S612	NSW0206-001X	TACT SWITCH		
S613	NSW0206-001X	TACT SWITCH		
S614	NSW0206-001X	TACT SWITCH		
S616	NSW0206-001X	TACT SWITCH		
S617	NSW0206-001X	TACT SWITCH		

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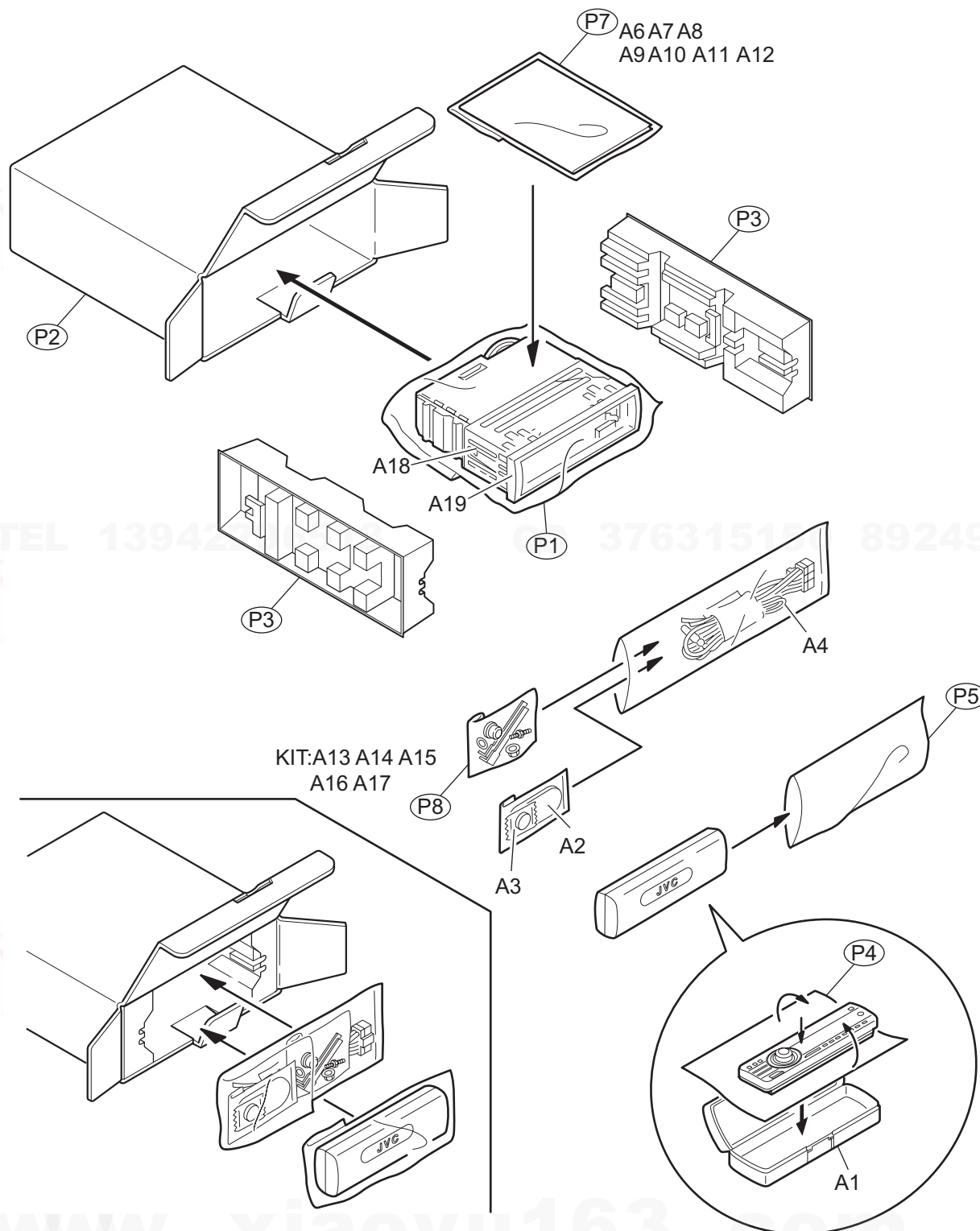
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Packing materials and accessories parts list

Block No.

M	3	M	M
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No additional / supplemental order of WARRANTY CARDS are available.



Packing and Accessories

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

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	FSJB3002-30C	HARD CASE		
A 2	RM-RK60	REMOCON UNIT		
A 3	-----	BATTERY		
A 4	QAM0306-002	16P CORD ASSY		
A 6	GET0264-001A	INST BOOK	ENG SPA FRE	
A 7	GET0264-002A	INSTALL MANUAL		
A 8	LVT0717-001B	TROUBLE SHEET(C		
A 9	GET0222-001A	TAG CAUTION SH		
A 10	-----	WARRANTY CARD	BT-51018-4	
A 11	-----	WARRANTY CARD	BT-52006-2	
A 12	BT-51034-2	REGISTRATION CARD		
A 13	VKZ4027-202	PLUG NUT		
A 14	VKH4871-003	MOUNT BOLT		
A 15	VKZ4328-003	LOCK NUT		
A 16	QYWWS53A008ZA	WASHER	0mm/5.3mm x	
A 17	GE40130-002A	HOOK	(x2)	
A 18	GE20137-003A	MOUNTING SLEEVE		
A 19	GE20149-012A	TRIM PLATE		
KIT	SPW-385U	SCREW PARTS KIT	A13 A14 A15 A16 A17	
P 1	QPC03004315P	POLY BAG	30cm x 43cm	
P 2	GE31450-001A	CARTON		
P 3	GE10108-001A	PAPER CUSHION	(x2)	
P 4	FSYH4036-068	SHEET		
P 5	QPA01003003	POLY BAG	10cm x 30cm	
P 7	FSPG4002-001	POLY BAG		
P 8	QPA00801205	POLY BAG	8cm x 12cm	