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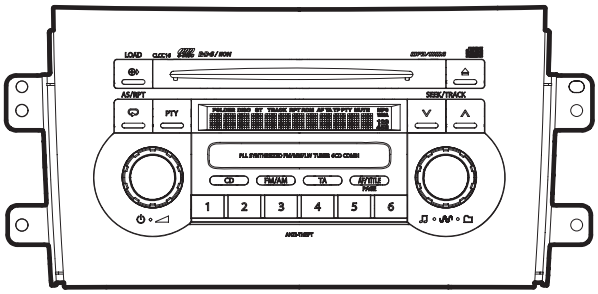
Service Manual



PS-3141K-A/K-B

SUZUKI Automobile Genuine
RDS/FM/MW/LW Tuner 6CD Combi

Model **PS-3141K-A**
(Genuine No.39101-80JL0-CZT)
(ID No.CLCC16)

Model **PS-3141K-B**
(Genuine No.39101-80JM0-CZT)
(ID No.CLCC16)

SPECIFICATIONS

Radio section

Tuning system:	PLL Frequeency synthesizer system	
Receive range:	FM	87.5MHz to 108.0MHz
	MW	531kHz to 1602kHz
	LW	153kHz to 279kHz
Intermediate frequency:		
	FM	10.7 +0.2/-0.2MHz
	MW	1st 10.71 +0.2/-0.2MHz
		2nd 450 +3/-3kHz
	LW	1st 10.71 +0.03/-0.03MHz
		2nd 450 +3/-3kHz
FM Separation:		22 +5/-7dB
Quieting sensitivity:	FM	Less than 15dBu (at 30dB S/N)
	MW	Less than 34dBu (K-A) (at 20dB S/N)
	MW	Less than 39dBu (K-B) (at 20dB S/N)
	LW	Less than 40dBu (K-A) (at 20dB S/N)
	LW	Less than 45dBu (K-B) (at 20dB S/N)
Auto tuning stop sensitivity:		
	FM	22 +6/-6dBu
	MW	32 +6/-6dBu (K-A)
	MW	42 +6/-6dBu (K-B)
	LW	32 +6/-6dBu (K-A)
	LW	42 +6/-6dBu (K-B)

CD section

Disc:	12cm Disc
Separation:	More than 55dB
S/N ratio:	More than 70dB(JIS-A)
Distortion:	Less than 0.3%(20kHz-LPF)

MP3/WMA section

MP3 sampling rate:	11.025kHz to 48kHz
MP3 bit rate:	8kbps to 320kbps/VBR
WMA bit rate:	48kbps to 192kbps
Logical format:	ISO9660 level 1,2 JOLIET or Romeo

General

Rated Voltage :	DC 13.2V
Quiting Output:	More Than 12Wx4 (10% Dist.) More Than 16Wx4 (Max Output)
Back-up consumption:	Less than 5mA
Dimensions(mm):	178(W)x100(H)x143(D)
Weight:	approx.2.5kg

* Please measure it auto loud function off.The auto loud function off by pushed 1ch,2ch and the up button.

NOTE

* PS-3141K-A is a corresponding model of the antena amplifier output.
* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base.
  Parts which are not mentioned in service manual are not supplied.
* Specifications and design are subject to change without notice for further improvement.
* WMA is the abbreviation of Windows Media Audio,an audio file format developed by Microsoft Corporation.
* This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.

COMPONENTS

PS-3141K-A,B

1. Main unit ---------- 1

COMPUTER ANTI-THEFT SYSTEM

This unit has a built-in Computer Anti-Theft System(CATS) which makes the radio inoperative if power to the unit is interrupted for any reason whatsoever(including disconnection and reconnection of the car battery).The radio will re-

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions in soldering
   Please do not spread liquid flux in soldering.
   Please do not wash the soldering point after soldering.
6. Cautions in soldering for chip capacitors
   Please solder the chip capacitors after pre-heating for replacement because they are very weak to heat.
   Please do not heat the chip capacitors with a soldering iron directly.
7. Cautions in handling for chip parts.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc).
   Please make an operation test after replacement.
8. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
9. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
10. Cautions in checking that the optical pickup lights up.
    The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
11. Cautions in handling the optical pickup
    The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

11-1. Laser diode
The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

11-2. Actuator
The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

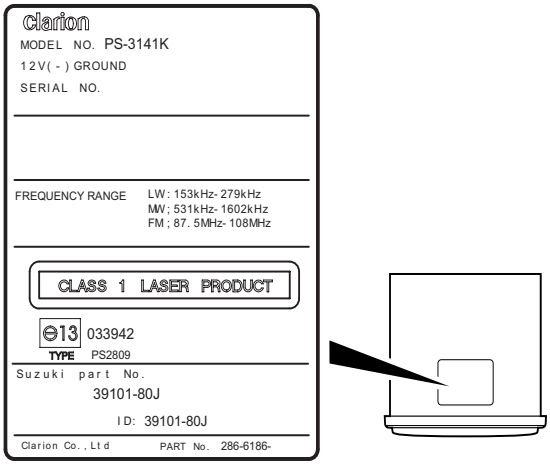
11-3. Cleaning the lens
Dust on the optical lens affects performance.
To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

main inoperative unless you enter the correct CATS number.

CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest"AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.

Use of controls,adjustment,or performance of procedures other than those specified herein,may result in hazardous radiation exposure.



EXPLANATION OF IC

052-3220-10 Renesas M30624MGP-E48GP System Controller

Terminal Description

pin 1:	PLL CK	: O :	PLL clock pulse output.
pin 2:	PLL DO	: O :	PLL serial data output.
pin 3:	PLL CE	: O :	PLL chip enable signal output.
pin 4:	NU	: - :	Not in use.
pin 5:	NU	: - :	Not in use.
pin 6:	BYTE	: IN :	Data length selection(8bit/16bit).
pin 7:	CN VSS	: IN :	Connect to VSS via a resistor.
pin 8:	ANT ON	: O :	Antenna ON command output.
pin 9:	BL CONT	: O :	Back light control signal output.
pin 10:	RESET	: IN :	Reset signal input.
pin 11:	X out	: O :	The crystal connection.
pin 12:	GND	: - :	Ground.
pin 13:	X in	: IN :	The crystal connection.
pin 14:	VDD	: - :	Positive voltage supply.
pin 15:	NMI	: IN :	Nonmaskable interrupt. Connect to VDD via a resistor.
pin 16:	ACC DET	: IN :	ACC detection signal input.
pin 17:	BU DET	: IN :	Backup detection signal input.
pin 18:	Speed Pulse	: IN :	Speed pulse input.
pin 19:	BL ON	: O :	Back light ON command output.
pin 20:	NU	: - :	Not in use.
pin 21:	NU	: O :	Not in use.
pin 22:	E VOL EQ CK	: O :	Clock pulse output to electric volume and equalizer.
pin 23:	E VOL DATA	: O :	Serial data output to the volume IC.
pin 24:	BEEP	: O :	Beep out.
pin 25:	RX	: IN :	Connect to the 27 pin.
pin 26:	NU	: O :	Not in use.
pin 27:	Ce-NET RX	: IN :	Serial data input from the Ce-NET.
pin 28:	Ce-NET TX	: O :	Serial data output to the Ce-NET.
pin 29:	NU	: - :	Not in use.
pin 30:	NU	: - :	Not in use.
pin 31:	NU	: - :	Not in use.
pin 32:	ILL DET	: IN :	Illumination ON signal input.
pin 33:	GIX SDA	: O :	6CD-mechanism serial data output.
pin 34:	GIX SCL	: O :	6CD-mechanism serial clock output.
pin 35:	SYS ON	: O :	System ON signal output.
pin 36:	AMP ON	: O :	Audio power amplifier ON signal output.
pin 37:	AMP MUTE	: O :	Muting signal output to the Audio power amplifier.
pin 38:	TEL out	: O :	Telephone control signal output.
pin 39:	SYS ACC	: O :	ACC detection signal output.
pin 40:	CATS TP	: IN :	Pll up.
pin 41:	NU	: - :	Not in use.
pin 42:	RDS DATA	: IN :	RDS serial data input.
pin 43:	RDS DIS CHG	: O :	RDS dis-charge signal output
pin 44:	Speed Up	: O :	The speed up signal output for RDS.
pin 45:	RDS MUTE	: O :	RDS mute signal output.
pin 46:	EEP CK	: O :	EEP-ROM clock pulse out.
pin 47:	EEP CS	: O :	EEP-ROM chip select signal out.
pin 48:	EEP DO	: O :	Serial data output to EEP-ROM.
pin 49:	EEP DI	: IN :	Serial data input from EEP-ROM.
pin 50:	GIX SYS ACC	: O :	6CD-mechanism system ACC control.
pin 51:	GIX RESET	: O :	6CD-mechanism reset pulse output.
pin 52:	V LCD ON	: O :	LCD power supply on signal output.
pin 53:	NU	: - :	Not in use.
pin 54:	NU	: - :	Not in use.
pin 55:	NU	: - :	Not in use.
pin 56:	NU	: - :	Not in use.
pin 57:	NU	: - :	Not in use.
pin 58:	NU	: - :	Not in use.
pin 59:	NU	: - :	Not in use.
pin 60:	VDD	: - :	Positive voltage supply.
pin 61:	NU	: - :	Not in use.
pin 62:	GND	: - :	Ground.
pin 63:	NU	: - :	Not in use.
pin 64:	NU	: - :	Not in use.
pin 65:	NU	: - :	Not in use.
pin 66:	NU	: - :	Not in use.
pin 67:	NU	: - :	Not in use.
pin 68:	NU	: - :	Not in use.
pin 69:	NU	: - :	Not in use.
pin 70:	NU	: - :	Not in use.
pin 71:	NU	: - :	Not in use.
pin 72:	GIX REQ	: IN :	6CD-mechanism request signal input.
pin 73:	RDS CK	: IN :	RDS clock pulse input.
pin 74:	LCD RESET	: O :	Reset pulse output to the LCD.
pin 75:	LCD CS	: O :	Chip select signal output to the LCD driver.
pin 76:	LCD SCK	: O :	Clock pulse output to the LCD driver.
pin 77:	LCD DATA	: I/O :	Serial data input/output for the LCD driv-

er.

pin 78: LCD REQ : IN : The key interrupt request signal input from the LCD driver.

pin 79: VOL 1 L : IN : Volume control pulse input from the rotary encoder.

pin 80: VOL 2 L : IN : Volume control pulse input from the rotary encoder.

pin 81: VOL 1 R : IN : Volume control pulse input from the rotary encoder.

pin 82: VOL 2 R : IN : Volume control pulse input from the rotary encoder.

pin 83: SEL 1 : IN : L = 1CD, H = 6CD.

pin 84: SEL 2 : IN : Refer Table 1.

pin 85: SEL 3 : IN : Refer Table 1.

pin 86: SEL 4 : IN : L = Without the clock.

pin 87: POWER SW : IN : Power switch ON signal input.

pin 88: CD LOAD : IN : CD-loading detection signal input.

pin 89: CD EJECT : IN : CD eject switch signal input.

pin 90: NU : - - : Not in use.

pin 91: NOISE IN : IN : Input terminal of A/D converter to detect the Noise of FM.

pin 92: S METER : IN : The input terminal of the internal A/D converter to monitor the radio field strength.

pin 93: S REMOCON : IN : Steering wheel remote controller input.

pin 94: A VSS : - - : Analog ground.

pin 95: AUX/Tel/BTon : IN : The input terminal of the internal ADC.

pin 96: VREFI : IN : Reference voltage input.

pin 97: A VCC : - - : Positive voltage supply for the internal analog section.

pin 98: SD/ST : IN : At receiving the FM station, this port detects the stereo signal. At seeking or scanning, this port detects the station detection signal.

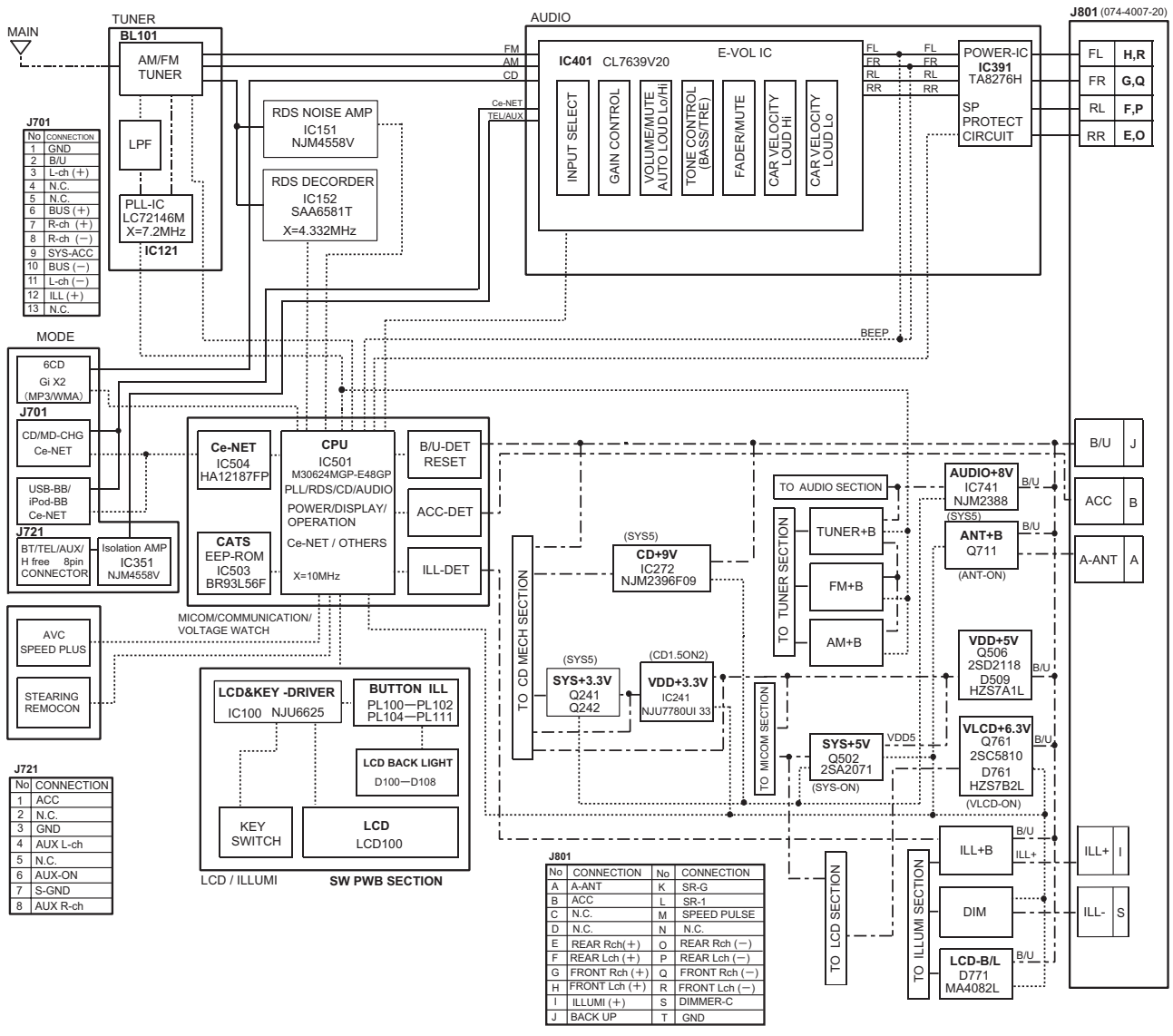
pin 99: SD CONT : O : SD control signal output for RDS.

pin100: PLL DI : IN : PLL serial data input.

Table 1

	YV1	-----	YY3	YT4
SEL 2 (pin 84)	H	H	L	L
SEL 3 (pin 85)	H	L	H	L

BLOCK DIAGRAM



J701

No	CONNECTION
1	GND
2	B/U
3	L-ch (+)
4	N.C.
5	N.C.
6	BUS (+)
7	R-ch (+)
8	R-ch (−)
9	SYS-ACC
10	BUS (−)
11	L-ch (−)
12	ILL (+)
13	N.C.

J721

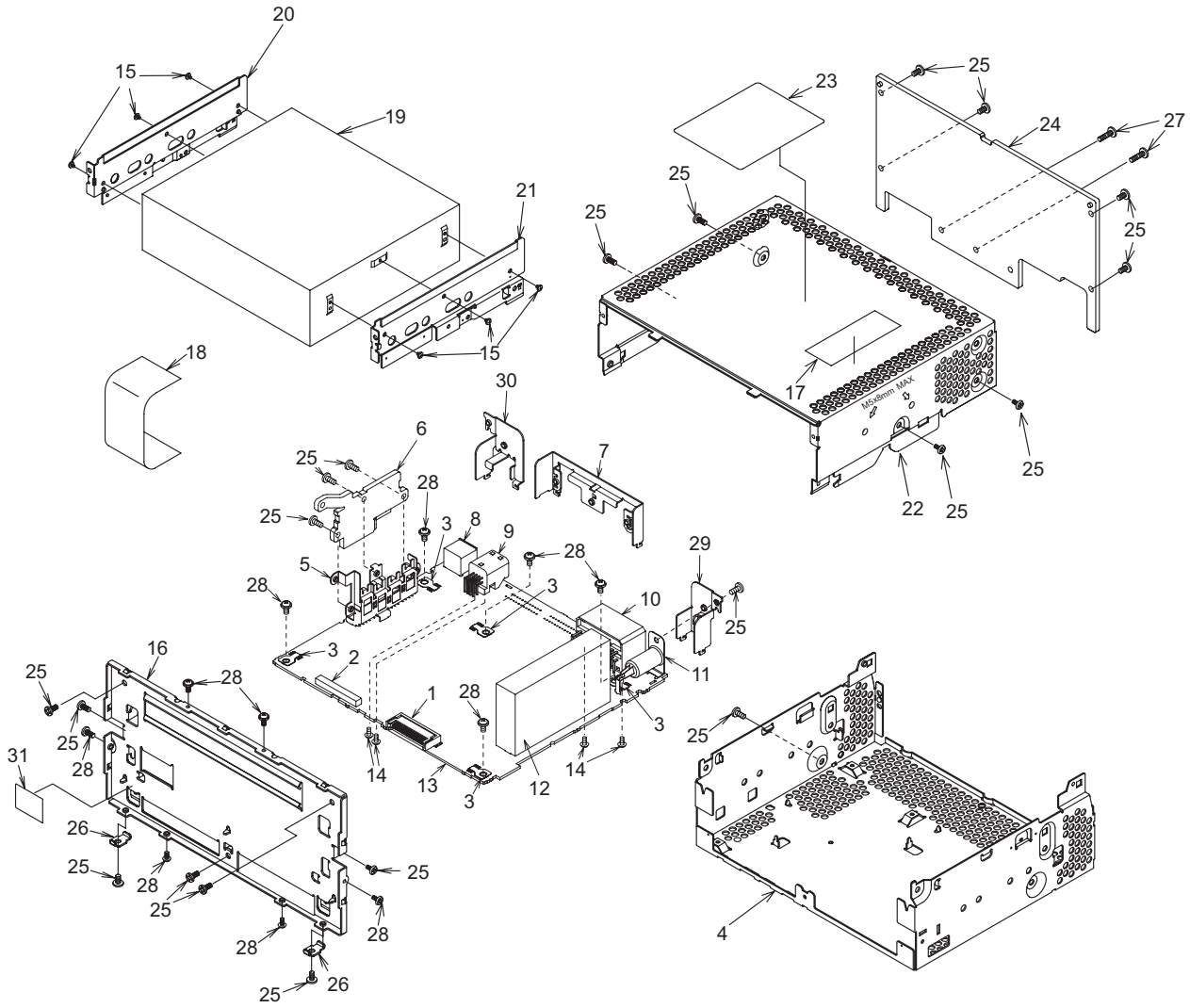
No	CONNECTION
1	ACC
2	N.C.
3	GND
4	AUX L-ch
5	N.C.
6	AUX-ON
7	S-GND
8	AUX R-ch

J801

No	CONNECTION	No	CONNECTION
A	A-ANT	K	SR-G
B	ACC	L	SR-1
C	N.C.	M	SPEED PULSE
D	N.C.	N	N.C.
E	REAR Rch(+)	O	REAR Rch (−)
F	REAR Lch (+)	P	REAR Lch (−)
G	FRONT Rch (+)	Q	FRONT Rch (−)
H	FRONT Lch (+)	R	FRONT Lch (−)
I	ILLUMI (+)	S	DIMMER-C
J	BACK UP	T	GND

EXPLODED VIEW/PARTS LIST

Main section



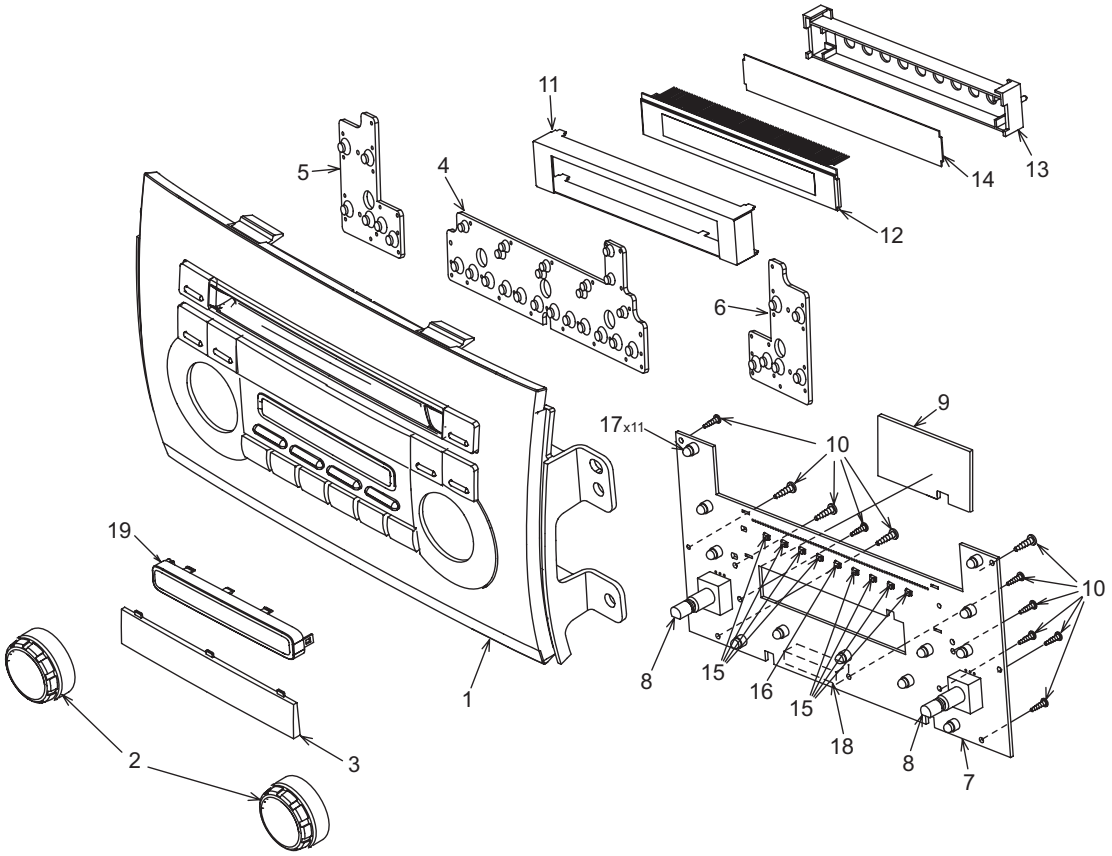
* Clamping torque value of a screw is 0.4 +0.08/-0.08 Newton meter.

* The part number of TUNER PACK and SETPLATE is different in each model.

NO.	PART NO.	DESCRIPTION	Q'TY
1	076-3011-74	PLUG(24P)	1
2	074-1237-69	OUTLET SOCKET	1
3	073-0762-90	TERMINAL	5
4	311-1919-75	LOWER CASE	1
5	331-4126-00	TR HOLDER	1
6	313-1966-00	SUB HEAT SINK	1
7	331-4548-00	IC HOLDER	1
8	074-1194-00	SOCKET (13P Ce-NET)	1
9	074-1302-08	SOCKET (8P)	1
10	074-4007-20	SOCKET (20P)	1
11	092-0702-00	ANT-RECEPT	1
12	941-0215-80 941-0221-80	TUNER PACK (PS-3141K-A) TUNER PACK (PS-3141K-B)	1 1
13	----------	Main PWB	1
14	778-3006-00	TAP-SCREW(3x6)	4
15	716-3552-00	IT SCREW(M2.3x2.5)	6
16	309-0819-11	ES PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
17	285-1960-00	GUIDE LABEL	1
18	816-4055-50	FLAT WIRE	1
19	929-0420-80	CD-MECH-MODULE	1
20	331-4091-10	CD BRKT(L)	1
21	331-4092-10	CD BRKT(R)	1
22	310-1826-10	UPPER CASE	1
23	286-6186-37 286-6186-38	SETPLATE (PS-3141K-A) SETPLATE (PS-3141K-B)	1 1
24	313-1962-00	HEAT SINK	1
25	714-2606-8B	MACHINE SCREW(M2.6x6)	20
26	331-4193-20	SU-PLATE	2
27	714-2610-89	MACHINE SCREW(M2.6x10)	2
28	716-0878-50	IT SCREW(M2.6x5)	11
29	331-4549-00	ANT HOLDER	1
30	331-4547-00	SOCKET HOLDER	1
31	347-8651-00	PROTECTOR	1

Escutcheon section



* Clamping torque value of a screw is 0.2 +0.04/-0.04 Newton meter.

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8120-43	ESCUTCHEON ASSY	1
2	947-0602-00	KNOB ASSY	2
3	371-5854-00	DIAL COVER	1
4	345-5589-00	RUBBER SW (CENTER)	1
5	345-5590-00	RUBBER SW (LEFT)	1
6	345-5591-00	RUBBER SW (RIGHT)	1
7	----------	Switch PWB	1
8	016-0014-12	VR W/SHAFT	2
9	345-6272-00	PROTECTOR	1
10	716-0778-51	P-TITE SCREW (2x6)	11

NO.	PART NO.	DESCRIPTION	Q'TY
11	331-4264-00	LCD COVER	1
12	379-1363-51	INDICATOR (LCD)	1
13	335-7705-00	LCD HOLDER	1
14	335-7929-00	COLOR FILTER	1
15	001-7094-91	DIODE (VFR1112H RED)	8
16	001-7087-90	DIODE (RBR1112H C,D,E RED)	1
17	017-0420-43	PL LAMP (14V 40mA RED)	11
18	074-3013-74	SOCKET (24P)	1
19	335-7356-30	MD COVER	1

ELECTRICAL PARTS LIST

Main PWB section (B1)

REF No.	PART No.	DESCRIPTION
ANT101	092-0702-50	ANT-RECEPT
BL101	941-0215-80	TUNER PACK (PS-3141K-A)
	941-0221-80	TUNER PACK (PS-3141K-B)
C101	168-1022-55	1000pF K
C103	168-1022-55	1000pF K
C104	188-1073-28	10V 100uF
C105	168-1042-78	16V 0.1uF
C106	168-1042-78	16V 0.1uF
C107	188-1073-28	10V 100uF
C108	168-1042-78	16V 0.1uF
C109	168-2232-55	0.022uF K
C112	168-4745-79	0.47uF Z
C113	168-6832-78	0.068uF K
C114	168-6832-78	0.068uF K
C121	166-1501-50	15pF CH

REF No.	PART No.	DESCRIPTION
C123	168-1042-78	16V 0.1uF
C124	042-1458-90	50V 1uF LN
C125	166-1501-50	15pF CH
C126	166-1011-50	100pF CH
C127	166-1011-50	100pF CH
C128	166-1011-50	100pF CH
C129	166-1011-50	100pF CH
C130	168-2232-55	0.022uF K
C131	188-4763-38	16V 47uF
C132	166-1811-50	180pF CH
C133	168-1042-78	16V 0.1uF
C151	188-3363-27	10V 33uF
C152	178-1052-78	1uF
C153	188-4753-57	35V 4.7uF
C154	168-1042-78	16V 0.1uF
C155	168-2232-55	0.022uF K
C156	166-6811-50	680pF

REF No.	PART No.	DESCRIPTION
C157	168-2232-55	0.022uF K
C158	166-8211-50	820pF
C159	168-1032-55	0.01uF K
C160	168-1042-78	16V 0.1uF
C161	188-4763-18	6.3V 47uF
C162	168-1042-78	16V 0.1uF
C163	166-5611-50	560pF CH
C164	168-1032-55	0.01uF K
C165	166-5601-50	56pF CH
C166	166-3311-50	330pF CH
C167	188-2253-68	50V 2.2uF
C168	166-5601-50	56pF CH
C169	168-1822-55	1800pF K
C170	168-8222-55	8200pF K
C171	168-2232-55	0.022uF K
C212	188-4763-38	16V 47uF
C222	168-1042-78	16V 0.1uF

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
C241	168-2232-55	0.022uF K
C243	188-4763-38	16V 47uF
C244	168-1042-78	16V 0.1uF
C245	168-1042-78	16V 0.1uF
C274	189-2273-29	10V 220uF
C276	043-0328-90	0.1uF
C301	178-1052-78	1uF
C302	178-1052-78	1uF
C305	178-1052-78	1uF
C306	178-1052-78	1uF
C309	168-1832-55	0.018uF K
C310	168-1832-55	0.018uF K
C311	188-2253-68	50V 2.2uF
C312	188-2253-68	50V 2.2uF
C313	188-2253-68	50V 2.2uF
C314	188-2253-68	50V 2.2uF
C318	168-1522-55	1500pF K
C319	168-1522-55	1500pF K
C334	166-4711-50	470pF CH
C335	166-4711-50	470pF CH
C346	188-1073-28	10V 100uF
C352	168-1042-78	16V 0.1uF
C353	042-1562-65	10V 220uF
C354	166-2201-50	22pF CH
C355	166-2201-50	22pF CH
C356	166-1007-50	10pF CH
C357	166-1007-50	10pF CH
C358	188-1063-38	16V 10uF
C359	188-1063-38	16V 10uF
C360	188-1063-38	16V 10uF
C361	188-1063-38	16V 10uF
C391	168-1042-78	16V 0.1uF
C392	168-1042-78	16V 0.1uF
C393	168-1042-78	16V 0.1uF
C394	168-1042-78	16V 0.1uF
C395	168-1032-55	0.01uF K
C396	163-1053-65	50V 1uF
C397	042-1624-00	16V 4700uF
C398	163-1063-35	16V 10uF
C399	163-1053-65	50V 1uF
C400	166-2201-50	22pF CH
C401	166-3911-50	390pF CH
C402	043-0570-90	16V 2.2uF K
C403	168-5632-78	16V 0.056uF
C404	043-0570-90	16V 2.2uF K
C405	188-1063-38	16V 10uF
C406	188-1073-28	10V 100uF
C407	168-1042-78	16V 0.1uF
C408	166-3911-50	390pF CH
C409	043-0570-90	16V 2.2uF K
C410	168-5632-78	16V 0.056uF
C411	043-0570-90	16V 2.2uF K
C412	168-1042-78	16V 0.1uF
C417	178-4742-78	0.47uF
C418	168-4722-55	4700pF K
C419	178-4742-78	0.47uF
C420	168-4722-55	4700pF K
C421	178-4742-78	0.47uF
C422	168-4722-55	4700pF K
C423	178-4742-78	0.47uF
C424	168-4722-55	4700pF K
C501	168-1042-78	16V 0.1uF
C502	188-4763-18	6.3V 47uF
C503	168-1032-55	0.01uF K
C504	168-1032-55	0.01uF K
C505	168-1032-55	0.01uF K
C506	168-1042-78	16V 0.1uF
C507	188-1053-68	50V 1uF
C509	168-1022-55	1000pF K
C510	168-1022-55	1000pF K
C511	168-1042-78	16V 0.1uF
C512	168-1032-55	0.01uF K

REF No.	PART No.	DESCRIPTION
C513	189-1073-29	10V 100uF
C514	168-1042-78	16V 0.1uF
C515	166-1011-50	100pF CH
C516	188-1063-38	16V 10uF
C517	042-0559-00	5.5V 0.1F
C722	168-1042-78	16V 0.1uF
C731	172-1041-15	0.1uF
C732	188-1053-68	50V 1uF
C741	043-0328-90	0.1uF
C744	188-1073-28	10V 100uF
C761	188-1063-38	16V 10uF
C762	188-1063-38	16V 10uF
C771	188-1073-28	10V 100uF
C772	188-1063-38	16V 10uF
C773	168-1042-78	16V 0.1uF
C774	178-4755-79	4.7uF
C811	172-1041-15	0.1uF
C821	188-1063-38	16V 10uF
CCT501	050-0140-54	1/32W 1k ohm x4J
CCT504	050-0140-54	1/32W 1k ohm x4J
CCT505	050-0140-54	1/32W 1k ohm x4J
D101	001-0535-90	MA729
D151	001-0580-90	1SS352
D152	001-0580-90	1SS352
D391	001-0580-90	1SS352
D504	001-0580-90	1SS352
D505	001-0580-90	1SS352
D506	001-2403-90	M1F60
D507	001-4301-25	HZU4.7B1
D508	001-0466-90	S5688B
D509	001-0504-36	HZS7 A1L
D701	001-0424-31	MA4180
D702	001-0424-31	MA4180
D703	001-0424-31	MA4180
D711	001-0466-90	S5688B
D712	001-0466-90	S5688B
D731	001-0466-90	S5688B
D761	001-0504-39	HZS7 B2L
D771	001-0347-43	MA4082L
D772	001-0347-24	MA4043H
D801	001-0592-00	RM4Z
D851	001-4301-68	HZU18B1
IC121	051-6201-90	LC72146M
IC151	051-3034-90	NJM4558V
IC152	051-4607-90	SAA6581T
IC241	051-3367-90	NJU7780U1-33-TE2
IC272	051-3334-00	NJM2396F09
IC351	051-3034-90	NJM4558V
IC391	051-2040-00	TA8276H
IC401	051-5046-90	CL7639V20
IC501	052-3220-10	E30624MGP-E48GP
IC502	051-0869-58	NJM2103M
IC503	051-9402-68	BR93L56F-W
IC504	051-6600-58	HA12187FP
IC741	051-3369-00	NJM2388F84
J241	074-1237-69	19PIN
J701	074-1194-00	13P CE-NET
J721	074-1302-08	TH8P-SOCKET
J801	074-4007-20	20P
L101	010-2003-04	30uH
L102	010-6009-76	22uH J
L103	010-6009-76	22uH J
L121	010-6009-76	22uH J
L151	010-6027-00	220uH
L501	010-6009-76	22uH J
L502	010-6009-76	22uH J
L801	010-8026-00	210uH
P501	076-3011-74	24P
Q121	191-1197-50	2SB1197K Q,R
Q122	191-1197-50	2SB1197K Q,R
Q123	191-1197-50	2SB1197K Q,R
Q151	125-2027-91	DTC114EUA

REF No.	PART No.	DESCRIPTION
Q151	125-2032-92	RN1302
Q151	125-2041-92	RT1N141M
Q152	192-4116-51	2SC4116 G,L
Q152	192-4155-51	2SC4155A S,T
Q152	193-1819-50	2SD1819 AR,SL
Q153	125-0021-91	DTA114EUA
Q153	125-0025-92	RN2302
Q153	125-0034-92	RT1P141M
Q154	125-2027-91	DTC114EUA
Q154	125-2032-92	RN1302
Q154	125-2041-92	RT1N141M
Q155	198-0669-00	2SK669
Q156	125-0021-91	DTA114EUA
Q156	125-0025-92	RN2302
Q156	125-0034-92	RT1P141M
Q157	125-2027-91	DTC114EUA
Q157	125-2032-92	RN1302
Q157	125-2041-92	RT1N141M
Q158	125-2027-91	DTC114EUA
Q158	125-2032-92	RN1302
Q158	125-2041-92	RT1N141M
Q159	125-2038-92	RN1902
Q241	125-0021-91	DTA114EUA
Q241	125-0025-92	RN2302
Q241	125-0034-92	RT1P141M
Q242	125-2027-91	DTC114EUA
Q242	125-2032-92	RN1302
Q242	125-2041-92	RT1N141M
Q243	193-0601-00	2SD601A
Q244	192-4116-51	2SC4116 G,L
Q244	192-4155-51	2SC4155A S,T
Q244	193-1819-50	2SD1819 AR,SL
Q245	125-2027-91	DTC114EUA
Q245	125-2032-92	RN1302
Q245	125-2041-92	RT1N141M
Q246	125-0021-91	DTA114EUA
Q246	125-0025-92	RN2302
Q246	125-0034-92	RT1P141M
Q247	125-2027-91	DTC114EUA
Q247	125-2032-92	RN1302
Q247	125-2041-92	RT1N141M
Q248	198-3018-00	2SK3018
Q249	198-3018-00	2SK3018
Q391	125-2027-93	DTC144EUA
Q502	190-2071-00	2SA2071 T100
Q503	192-4116-51	2SC4116 G,L
Q503	192-4155-51	2SC4155A S,T
Q503	193-1819-50	2SD1819 AR,SL
Q504	192-4116-51	2SC4116 G,L
Q504	192-4155-51	2SC4155A S,T
Q504	193-1819-50	2SD1819 AR,SL
Q505	192-4116-51	2SC4116 G,L
Q505	192-4155-51	2SC4155A S,T
Q505	193-1819-50	2SD1819 AR,SL
Q506	193-2118-50	2SD2118F5 R,S
Q701	192-4116-51	2SC4116 G,L
Q701	192-4155-51	2SC4155A S,T
Q701	193-1819-50	2SD1819 AR,SL
Q711	190-2071-00	2SA2071 T100
Q712	192-4116-51	2SC4116 G,L
Q712	192-4155-51	2SC4155A S,T
Q712	193-1819-50	2SD1819 AR,SL
Q761	192-5810-00	2SC5810 TE12L
Q762	125-0021-91	DTA114EUA
Q762	125-0025-92	RN2302
Q762	125-0034-92	RT1P141M
Q763	125-2027-91	DTC114EUA
Q763	125-2032-92	RN1302
Q763	125-2041-92	RT1N141M
Q771	192-5886-00	2SC5886
Q772	192-4116-51	2SC4116 G,L
Q772	192-4155-51	2SC4155A S,T

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
Q772	193-1819-50	2SD1819 AR,SL
Q773	192-4116-51	2SC4116 G,L
Q773	192-4155-51	2SC4155A S,T
Q773	193-1819-50	2SD1819 AR,SL
Q774	192-4116-51	2SC4116 G,L
Q774	192-4155-51	2SC4155A S,T
Q774	193-1819-50	2SD1819 AR,SL
Q775	192-4116-51	2SC4116 G,L
Q775	192-4155-51	2SC4155A S,T
Q775	193-1819-50	2SD1819 AR,SL
Q776	125-0021-91	DTA114EUA
Q776	125-0025-92	RN2302
Q776	125-0034-92	RT1P141M
Q777	125-2027-91	DTC114EUA
Q777	125-2032-92	RN1302
Q777	125-2041-92	RT1N141M
Q821	190-2071-00	2SA2071 T100
Q822	192-4116-51	2SC4116 G,L
Q822	192-4155-51	2SC4155A S,T
Q822	193-1819-50	2SD1819 AR,SL
R101	119-0000-05	1/10W 0 ohm JW
R102	119-0000-05	1/10W 0 ohm JW
R103	119-1041-15	1/10W 100k ohm
R104	119-0000-05	1/10W 0 ohm JW
R105	119-4711-15	1/10W 470 ohm
R106	119-2221-15	1/10W 2.2k ohm
R107	116-1001-15	1/4W 10 ohm
R108	119-2231-15	1/10W 22k ohm
R109	119-4731-15	1/10W 47k ohm
R111	119-0000-05	1/10W 0 ohm JW
		(PS-3141K-A)
	166-8201-50	82pF CH
		(PS-3141K-B)
R122	119-2221-15	1/10W 2.2k ohm
R125	119-1021-15	1/10W 1k ohm
R127	119-5631-15	1/10W 56k ohm
R128	119-4731-15	1/10W 47k ohm
R130	119-2221-15	1/10W 2.2k ohm
R131	119-1031-15	1/10W 10k ohm
R132	119-1031-15	1/10W 10k ohm
R133	119-2221-15	1/10W 2.2k ohm
R134	119-2221-15	1/10W 2.2k ohm
R135	119-1031-15	1/10W 10k ohm
R151	119-1021-15	1/10W 1k ohm
R152	119-5621-15	1/10W 5.6k ohm
R153	119-3311-15	1/10W 330 ohm
R154	119-1021-15	1/10W 1k ohm
R155	119-3331-15	1/10W 33k ohm
R156	119-1031-15	1/10W 10k ohm
R157	119-1231-15	1/10W 12k ohm
R158	119-3321-15	1/10W 3.3k ohm
R159	119-1041-15	1/10W 100k ohm
R160	119-2211-15	1/10W 220 ohm
R161	119-0000-05	1/10W 0 ohm JW
R162	119-1021-15	1/10W 1k ohm
R163	119-1021-15	1/10W 1k ohm
R164	119-2221-15	1/10W 2.2k ohm
R165	119-5631-15	1/10W 56k ohm
R166	119-1231-15	1/10W 12k ohm
R167	116-3311-15	1/4W 330 ohm
R168	119-1031-15	1/10W 10k ohm
R169	119-2711-15	1/10W 270 ohm
R170	119-1021-15	1/10W 1k ohm
R171	119-0000-05	1/10W 0 ohm JW
R172	119-1021-15	1/10W 1k ohm
R173	119-1031-15	1/10W 10k ohm
R242	119-4731-15	1/10W 47k ohm
R243	119-1021-15	1/10W 1k ohm
R245	119-3331-15	1/10W 33k ohm
R246	119-4731-15	1/10W 47k ohm
R248	119-1041-15	1/10W 100k ohm

REF No.	PART No.	DESCRIPTION
R250	119-3331-15	1/10W 33k ohm
R253	119-4731-15	1/10W 47k ohm
R255	119-3331-15	1/10W 33k ohm
R256	119-0000-05	1/10W 0 ohm JW
R258	119-4731-15	1/10W 47k ohm
R271	119-4731-15	1/10W 47k ohm
R276	119-0000-05	1/10W 0 ohm JW
R301	119-1021-15	1/10W 1k ohm
R302	119-1021-15	1/10W 1k ohm
R305	119-1021-15	1/10W 1k ohm
R306	119-1021-15	1/10W 1k ohm
R309	119-1021-15	1/10W 1k ohm
R310	119-1021-15	1/10W 1k ohm
R311	119-5631-15	1/10W 56k ohm
R312	119-5631-15	1/10W 56k ohm
R313	119-5631-15	1/10W 56k ohm
R314	119-5631-15	1/10W 56k ohm
R323	119-0000-05	1/10W 0 ohm JW
R324	119-0000-05	1/10W 0 ohm JW
R325	119-0000-05	1/10W 0 ohm JW
R326	119-0000-05	1/10W 0 ohm JW
R351	119-8211-15	1/10W 820 ohm
R352	119-1021-15	1/10W 1k ohm
R353	032-0140-50	1/10W 10k ohm F
R354	032-0140-50	1/10W 10k ohm F
R355	032-0140-50	1/10W 10k ohm F
R356	032-0140-50	1/10W 10k ohm F
R357	032-0140-50	1/10W 10k ohm F
R358	032-0140-50	1/10W 10k ohm F
R359	032-0140-50	1/10W 10k ohm F
R360	032-0140-50	1/10W 10k ohm F
R391	119-5631-15	1/10W 56k ohm
R392	119-1221-15	1/10W 1.2k ohm
R393	119-2221-15	1/10W 2.2k ohm
R394	119-2221-15	1/10W 2.2k ohm
R395	119-2221-15	1/10W 2.2k ohm
R396	119-2221-15	1/10W 2.2k ohm
R397	119-1031-15	1/10W 10k ohm
R400	119-1031-15	1/10W 10k ohm
R401	119-2231-15	1/10W 22k ohm
R402	119-2021-15	1/10W 2k ohm
R403	119-2231-15	1/10W 22k ohm
R404	119-2021-15	1/10W 2k ohm
R405	119-0000-05	1/10W 0 ohm JW
R502	119-4721-15	1/10W 4.7k ohm
R503	119-4721-15	1/10W 4.7k ohm
R504	119-4721-15	1/10W 4.7k ohm
R510	119-4721-15	1/10W 4.7k ohm
R511	119-4721-15	1/10W 4.7k ohm
R512	119-4721-15	1/10W 4.7k ohm
R513	119-4721-15	1/10W 4.7k ohm
R514	119-1021-15	1/10W 1k ohm
R515	119-1041-15	1/10W 100k ohm
R516	119-1041-15	1/10W 100k ohm
R517	116-1001-15	1/4W 10 ohm
R520	119-4731-15	1/10W 47k ohm
R521	119-4731-15	1/10W 47k ohm
R522	119-4731-15	1/10W 47k ohm
R524	119-1521-15	1/10W 1.5k ohm
R525	119-1021-15	1/10W 1k ohm
R526	119-3311-15	1/10W 330 ohm
R527	119-4721-15	1/10W 4.7k ohm
R528	032-0140-66	1/10W 220 ohm F
R529	119-1031-15	1/10W 10k ohm
R530	119-1041-15	1/10W 100k ohm
R531	119-1031-15	1/10W 10k ohm
R532	119-4721-15	1/10W 4.7k ohm
R533	119-4721-15	1/10W 4.7k ohm
R534	119-1021-15	1/10W 1k ohm
R535	119-1031-15	1/10W 10k ohm
R536	119-2221-15	1/10W 2.2k ohm

REF No.	PART No.	DESCRIPTION
R537	119-1031-15	1/10W 10k ohm
R538	119-1031-15	1/10W 10k ohm
R539	119-1031-15	1/10W 10k ohm
R540	119-4731-15	1/10W 47k ohm
R541	119-5621-15	1/10W 5.6k ohm
R542	119-2231-15	1/10W 22k ohm
R544	119-4731-15	1/10W 47k ohm
R545	119-6831-15	1/10W 68k ohm
R546	119-1021-15	1/10W 1k ohm
R547	119-1021-15	1/10W 1k ohm
R548	119-1031-15	1/10W 10k ohm
R549	119-3341-15	1/10W 330k ohm
R550	032-0140-22	1/10W 68k ohm F
R551	032-0140-00	1/10W 56k ohm F
R552	117-6821-15	1/8W 6.8k ohm
R553	119-4731-15	1/10W 47k ohm
R554	119-4731-15	1/10W 47k ohm
R555	119-5621-15	1/10W 5.6k ohm
R556	119-1021-15	1/10W 1k ohm
R557	119-4731-15	1/10W 47k ohm
R558	119-1031-15	1/10W 10k ohm
R568	119-4731-15	1/10W 47k ohm
R569	119-4731-15	1/10W 47k ohm
R572	119-4731-15	1/10W 47k ohm
R573	119-4731-15	1/10W 47k ohm
R701	116-1211-15	1/4W 120 ohm
R702	116-6801-15	1/4W 68 ohm
R703	119-2231-15	1/10W 22k ohm
R704	119-2231-15	1/10W 22k ohm
R711	116-2221-15	1/4W 2.2k ohm
R712	117-1031-15	1/8W 10k ohm
R713	116-2221-15	1/4W 2.2k ohm
R714	119-1031-15	1/10W 10k ohm
R715	119-3321-15	1/10W 3.3k ohm
R726	119-1021-15	1/10W 1k ohm
R731	116-5621-15	1/4W 5.6k ohm
R732	116-4721-15	1/4W 4.7k ohm
R761	032-0092-56	1/8W 22k ohm F
R762	032-0092-31	1/8W 150k ohm F
R763	032-0092-51	1/8W 1k ohm F
R764	119-1221-15	1/10W 1.2k ohm
R771	119-0000-05	1/10W 0 ohm JW
R772	119-2231-15	1/10W 22k ohm
R773	116-1021-15	1/4W 1k ohm
R775	119-2231-15	1/10W 22k ohm
R776	119-2231-15	1/10W 22k ohm
R777	117-4731-15	1/8W 47k ohm
R778	119-1031-15	1/10W 10k ohm
R779	116-1821-15	1/4W 1.8k ohm
R780	117-1821-15	1/8W 1.8k ohm
R783	119-2231-15	1/10W 22k ohm
R793	119-0000-05	1/10W 0 ohm JW
R801	119-0000-05	1/10W 0 ohm JW
R802	119-0000-05	1/10W 0 ohm JW
R821	116-1031-15	1/4W 10k ohm
R822	119-3321-15	1/10W 3.3k ohm
R823	119-1031-15	1/10W 10k ohm
R824	116-2221-15	1/4W 2.2k ohm
R825	116-2221-15	1/4W 2.2k ohm
R826	119-8221-15	1/10W 8.2k ohm
R903	119-0000-05	1/10W 0 ohm JW
		(PS-3141K-B)
R904	119-0000-05	1/10W 0 ohm JW
		(PS-3141K-B)
R905	119-0000-05	1/10W 0 ohm JW
		(PS-3141K-B)
R908	119-0000-05	1/10W 0 ohm JW
		(PS-3141K-A)
SUP101	060-0122-20	DSP-141N-S00B
TH711	002-0318-21	THERMISTOR
TM101	073-0762-90	TERMINAL

REF No.	PART No.	DESCRIPTION
TM501	073-0762-90	TERMINAL
TM502	073-0762-90	TERMINAL
TM801	073-0762-90	TERMINAL
TM802	073-0762-90	TERMINAL

REF No.	PART No.	DESCRIPTION
X121	061-1066-00	7.2MHz
X151	061-3013-00	4.33MHz
X501	060-1533-90	CSTCE10M0G52-RO

REF No.	PART No.	DESCRIPTION
PWB	039-3294-00	PWB(WITHOUT COMPONENT)

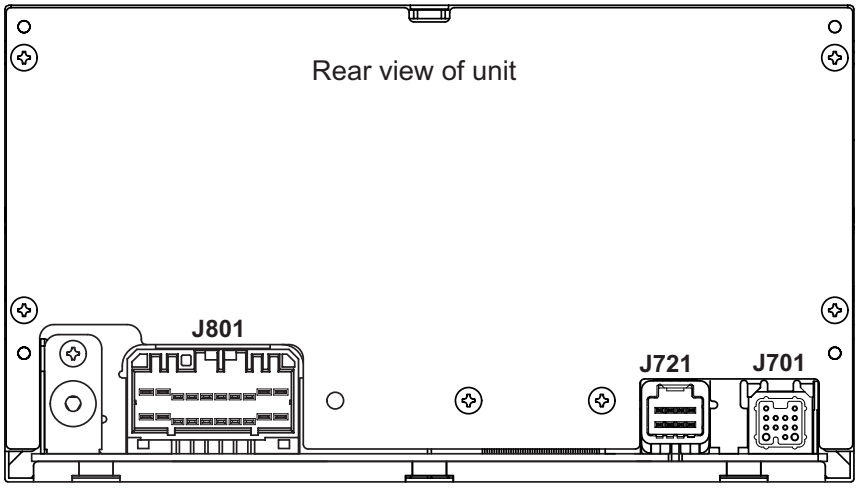
Switch PWB section (B2)

REF No.	PART No.	DESCRIPTION
C100	168-1042-78	16V 0.1uF
C101	168-1042-78	16V 0.1uF
C102	168-1042-78	16V 0.1uF
C103	168-1042-78	16V 0.1uF
C104	168-1042-78	16V 0.1uF
C105	178-1052-78	1uF
D100	001-7094-91	VFR1112H-TR
D101	001-7094-91	VFR1112H-TR
D102	001-7094-91	VFR1112H-TR
D103	001-7094-91	VFR1112H-TR
D104	001-7087-90	RBR1112H C,D,E RED
D105	001-7094-91	VFR1112H-TR
D106	001-7094-91	VFR1112H-TR
D107	001-7094-91	VFR1112H-TR
D108	001-7094-91	VFR1112H-TR
D113	001-0580-90	1SS352
D114	001-0580-90	1SS352
D115	001-0580-90	1SS352
D116	001-0580-90	1SS352
IC100	051-6084-00	NJU6625FG1-03
J100	074-3013-74	24P
L100	010-3406-66	22uH J
LCD100	379-1363-51	INDICATOR (LCD)

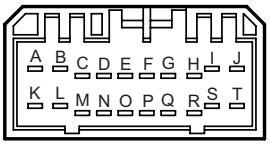
REF No.	PART No.	DESCRIPTION
PL100	017-0420-43	14V 40mA RED
PL101	017-0420-43	14V 40mA RED
PL102	017-0420-43	14V 40mA RED
PL104	017-0420-43	14V 40mA RED
PL105	017-0420-43	14V 40mA RED
PL106	017-0420-43	14V 40mA RED
PL107	017-0420-43	14V 40mA RED
PL108	017-0420-43	14V 40mA RED
PL109	017-0420-43	14V 40mA RED
PL110	017-0420-43	14V 40mA RED
PL111	017-0420-43	14V 40mA RED
R100	119-1521-15	1/10W 1.5k ohm
R101	119-1221-15	1/10W 1.2k ohm
R102	119-1221-15	1/10W 1.2k ohm
R103	119-1521-15	1/10W 1.5k ohm
R104	119-1221-15	1/10W 1.2k ohm
R105	119-1221-15	1/10W 1.2k ohm
R106	119-1521-15	1/10W 1.5k ohm
R107	119-1221-15	1/10W 1.2k ohm
R108	119-1221-15	1/10W 1.2k ohm
R109	119-1521-15	1/10W 1.5k ohm
R110	119-1221-15	1/10W 1.2k ohm
R111	119-1221-15	1/10W 1.2k ohm
R112	119-2221-15	1/10W 2.2k ohm

REF No.	PART No.	DESCRIPTION
R113	119-2221-15	1/10W 2.2k ohm
R114	119-1821-15	1/10W 1.8k ohm
R116	119-0000-05	1/10W 0 ohm JW
R117	119-0000-05	1/10W 0 ohm JW
R121	119-4341-15	1/10W 430k ohm
R122	119-0000-05	1/10W 0 ohm JW
R123	119-0000-05	1/10W 0 ohm JW
R125	119-0000-05	1/10W 0 ohm JW
R126	119-0000-05	1/10W 0 ohm JW
R128	119-1021-15	1/10W 1k ohm
R129	119-1021-15	1/10W 1k ohm
R131	119-0000-05	1/10W 0 ohm JW
R132	119-0000-05	1/10W 0 ohm JW
R140	119-0000-05	1/10W 0 ohm JW
R200	119-1841-15	1/10W 180k ohm
R201	119-1841-15	1/10W 180k ohm
R202	119-1841-15	1/10W 180k ohm
R203	119-1841-15	1/10W 180k ohm
TH100	002-0306-90	SC20-3J153
TM100	073-0778-90	TERMINAL
VR100	016-0014-12	VR W/SHAFT
VR101	016-0014-12	VR W/SHAFT
PWB	039-3290-00	PWB(WITHOUT COMPONENT)

CONNECTION

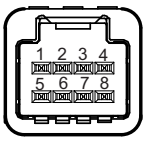


Main Connector (20P)



No	Description	No	Description
A	A-ANT	K	SR-G
B	ACC	L	SR-1
C	N.C.	M	SPEED PULSE
D	N.C.	N	N.C.
E	REAR Rch(+)	O	REAR Rch (−)
F	REAR Lch (+)	P	REAR Lch (−)
G	FRONT Rch (+)	Q	FRONT Rch (−)
H	FRONT Lch (+)	R	FRONT Lch (−)
I	ILLUMI (+)	S	DIMMER-C
J	BACK UP	T	GND

TEL/AUX Connector (8P)



No	Description
1	ACC
2	N.C.
3	GND
4	AUX L-ch
5	N.C.
6	AUX ON
7	S-GND
8	AUX R-ch

Ce-NET Connector (13P)

No	Description
1	GND
2	B/U
3	L-ch (+)
4	N.C.
5	N.C.
6	BUS (+)
7	R-ch (+)
8	R-ch (−)
9	SYS-ACC
10	BUS (−)
11	L-ch (−)
12	ILL(+)
13	N.C.

CIRCUIT DIAGRAM

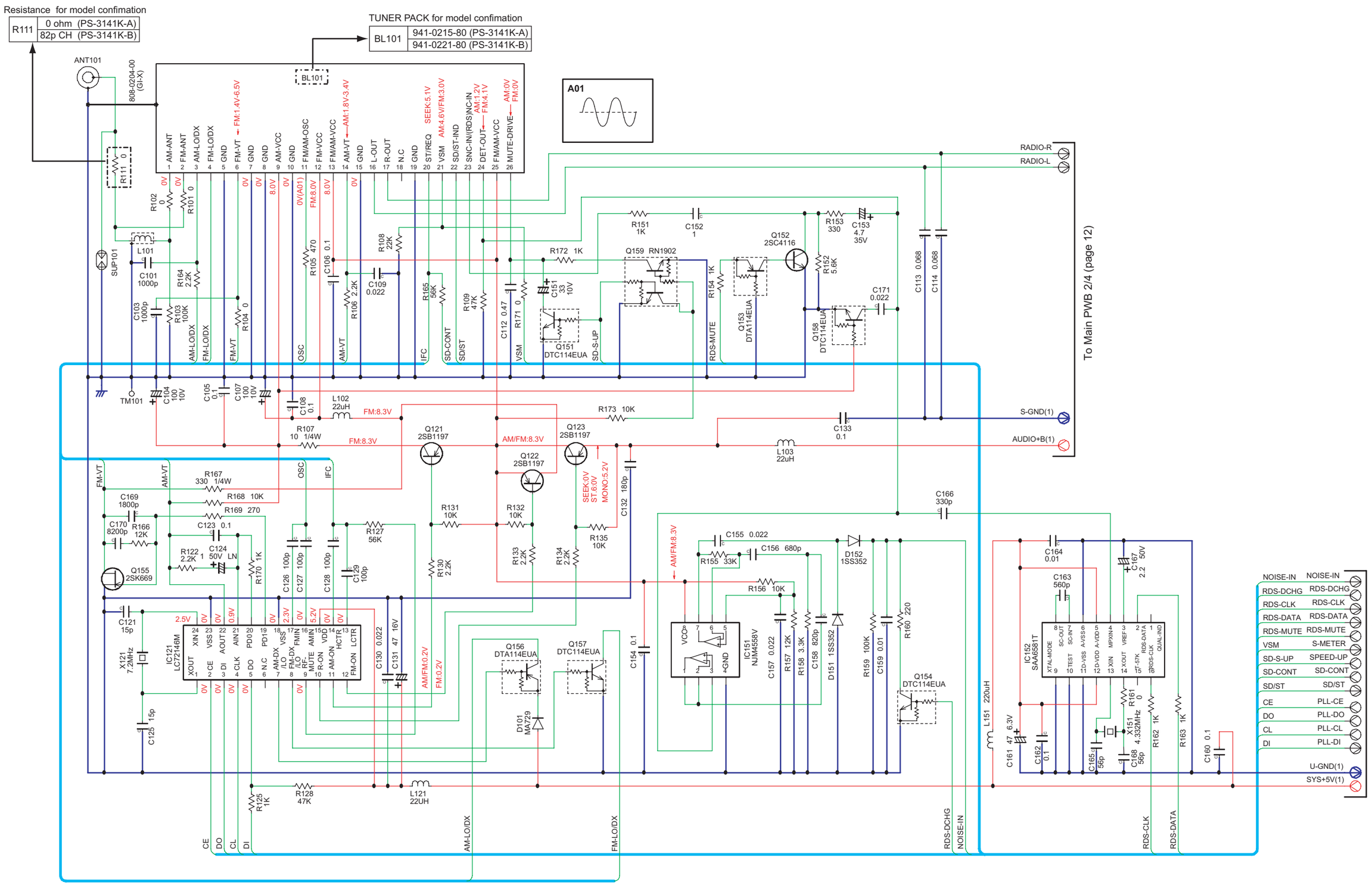
Main PWB(B1) section 1/4

Resistance for model confimation

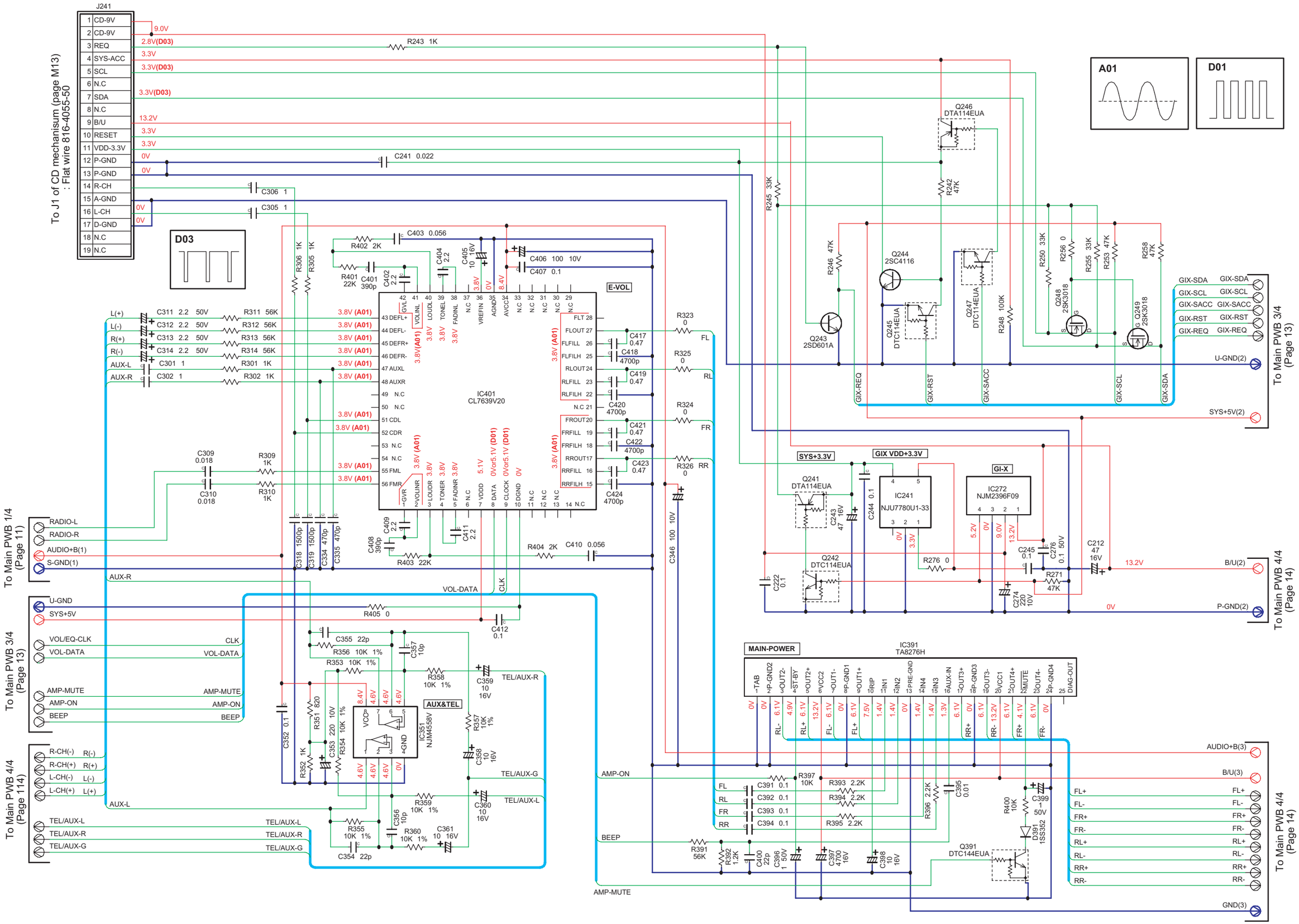
R111	0 ohm (PS-3141K-A)
	82p CH (PS-3141K-B)

TUNER PACK for model confimation

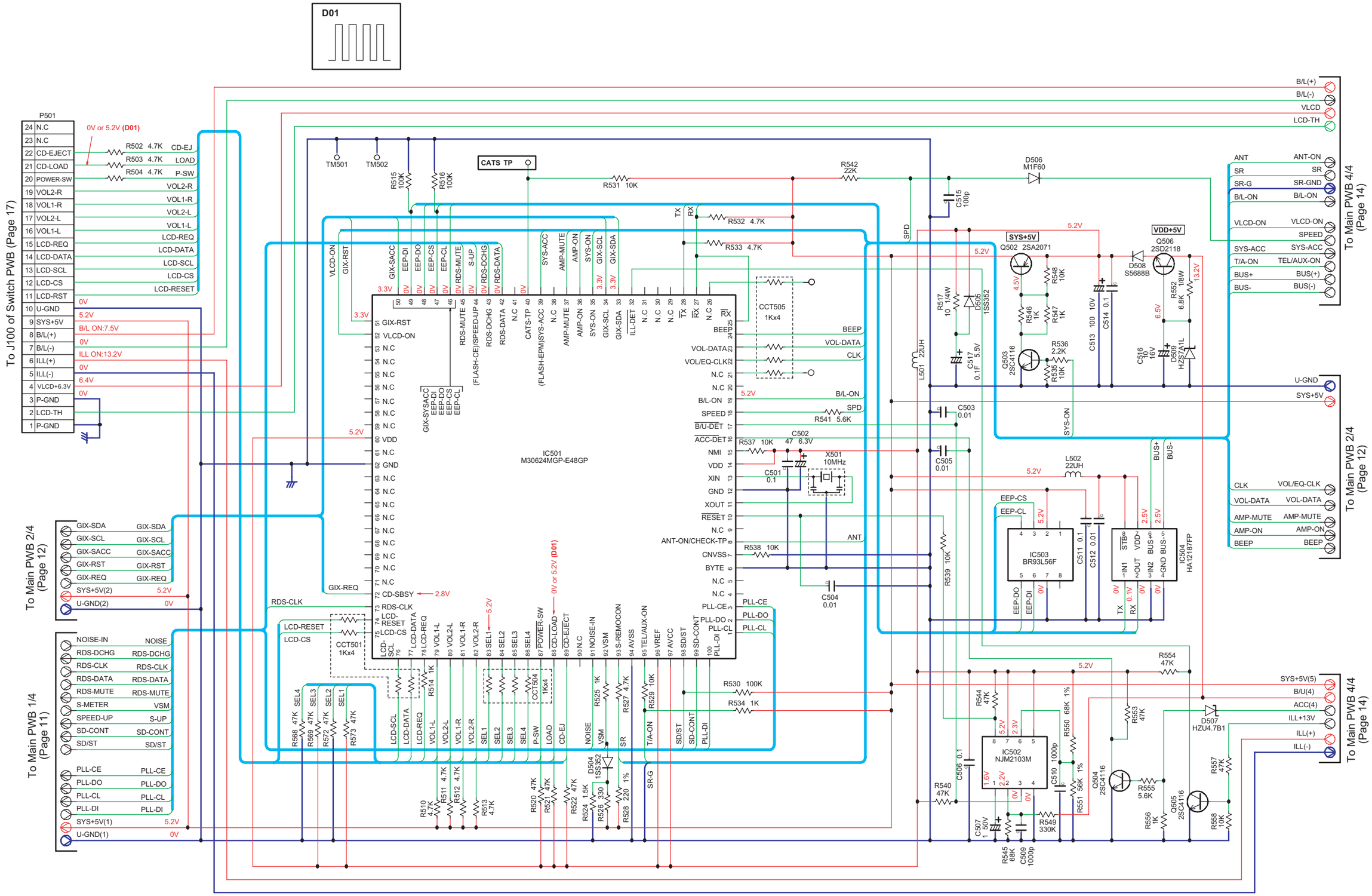
BL101	941-0215-80 (PS-3141K-A)
	941-0221-80 (PS-3141K-B)

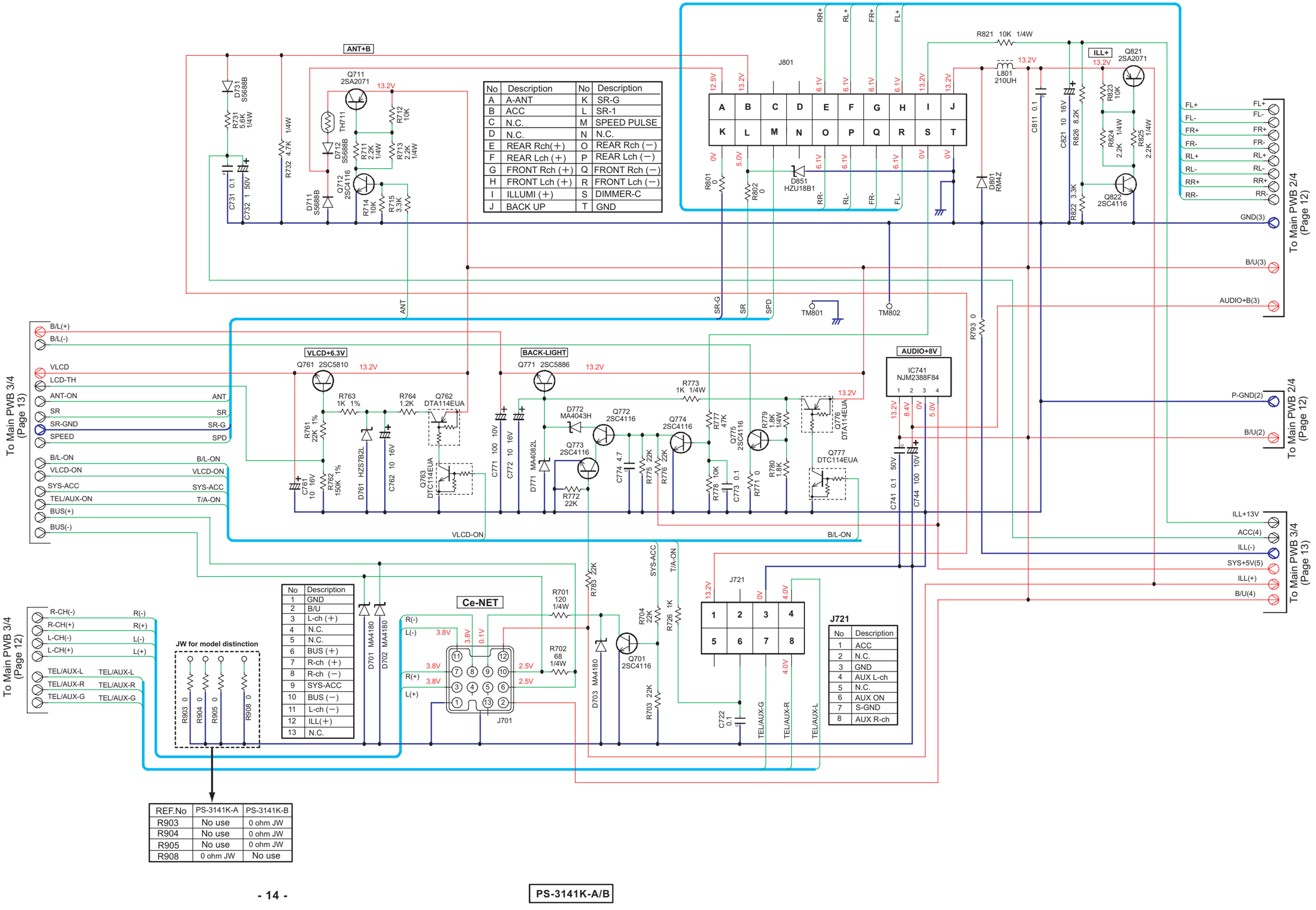


Main PWB(B1) section 2/4



Main PWB(B1) section 3/4





No	Description	No	Description
A	A-ANT	K	SR-G
B	ACC	L	SR-1
C	N.C.	M	SPEED PULSE
D	N.C.	N	N.C.
E	REAR Rch(+)	O	REAR Rch (−)
F	REAR Lch (+)	P	REAR Lch (−)
G	FRONT Rch (+)	Q	FRONT Rch (−)
H	FRONT Lch (+)	R	FRONT Lch (−)
I	ILLUMI (+)	S	DIMMER-C
J	BACK UP	T	GND

No	Description
1	GND
2	B/U
3	L-ch (+)
4	N.C.
5	N.C.
6	BUS (+)
7	R-ch (+)
8	R-ch (−)
9	SYS-ACC
10	BUS (−)
11	L-ch (−)
12	ILL(+)
13	N.C.

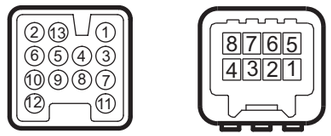
No	Description
1	ACC
2	N.C.
3	GND
4	AUX L-ch
5	N.C.
6	AUX ON
7	S-GND
8	AUX R-ch

REF.No	PS-3141K-A	PS-3141K-B
R903	No use	0 ohm JW
R904	No use	0 ohm JW
R905	No use	0 ohm JW
R908	0 ohm JW	No use

PRINTED WIRING BOARD

Main PWB(B1)section 1/2

Ce-NET

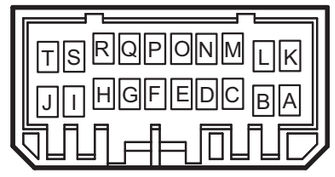


J721

No	Description
1	ACC
2	N.C.
3	GND
4	AUX L-ch (+)
5	N.C.
6	AUX-ON
7	S-GND
8	AUX R-ch (+)

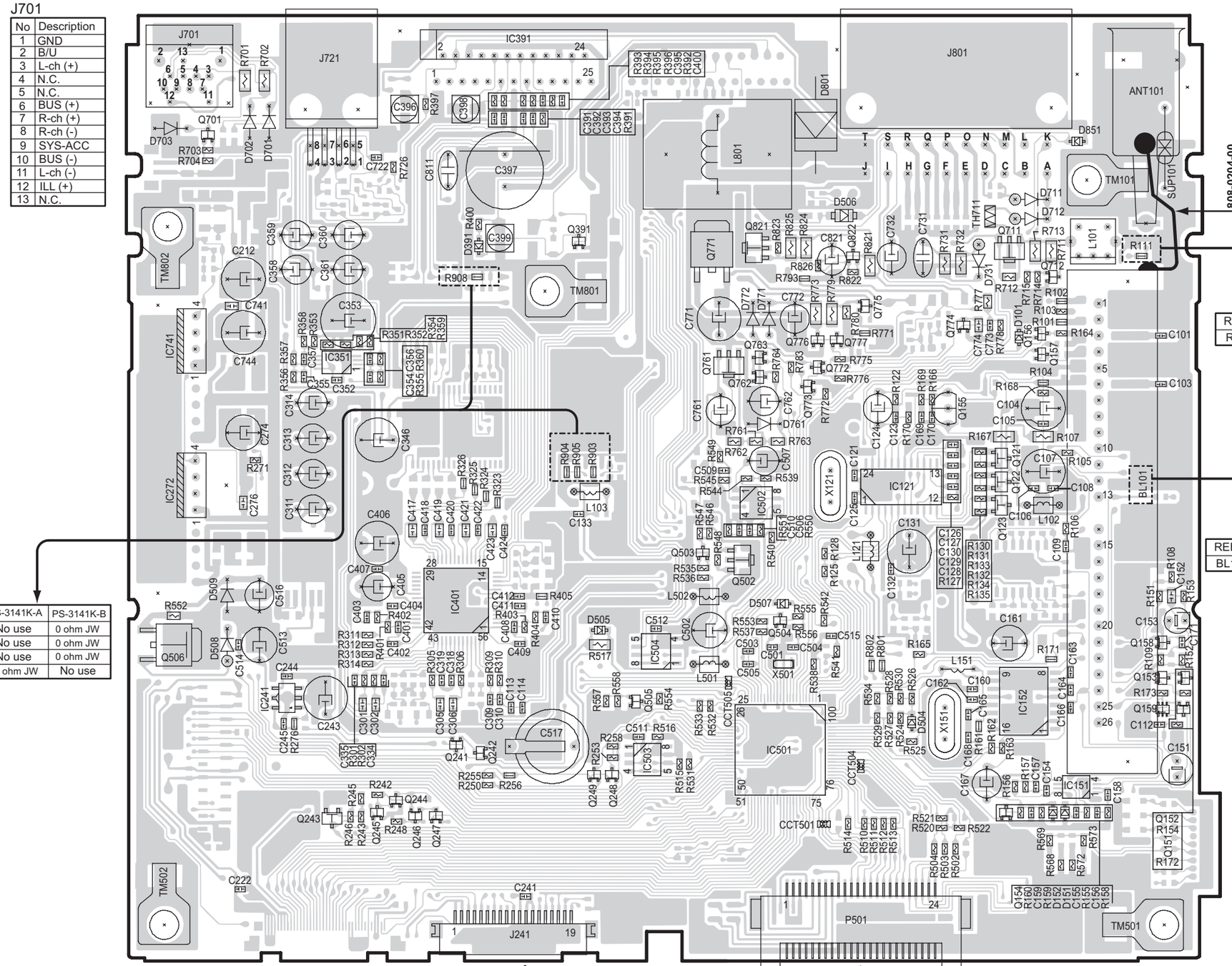
J801

No	Description	No	Description
A	A-ANT	K	SR-G
B	ACC	L	SR-1
C	N.C	M	SPEED PULSE
D	N.C	N	N.C
E	REAR R-ch (+)	O	REAR R-ch(-)
F	REAR L-ch (+)	P	REAR L-ch (-)
G	FRONT R-ch (+)	Q	FRONT R-ch (-)
H	FRONT L-ch (+)	R	FRONT L-ch (-)
I	ILLUMI (+)	S	DIMMER-C
J	BACK UP	T	GND



J701

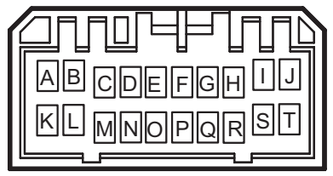
No	Description
1	GND
2	B/U
3	L-ch (+)
4	N.C.
5	N.C.
6	BUS (+)
7	R-ch (+)
8	R-ch (-)
9	SYS-ACC
10	BUS (-)
11	L-ch (-)
12	ILL (+)
13	N.C.



※ The parts of adotted line express the parts on a component side.

J801

No	Description
A	A-ANT
B	ACC
C	N.C
D	N.C
E	REAR R-ch (+)
F	REAR L-ch (+)
G	FRONT R-ch (+)
H	FRONT L-ch (+)
I	ILLUMI (+)
J	BACK UP
K	SR-G
L	SR-1
M	SPEED PULSE
N	N.C
O	REAR R-ch(-)
P	REAR L-ch (-)
Q	FRONT R-ch (-)
R	FRONT L-ch (-)
S	DIMMER-C
T	GND



SOLDER SIDE

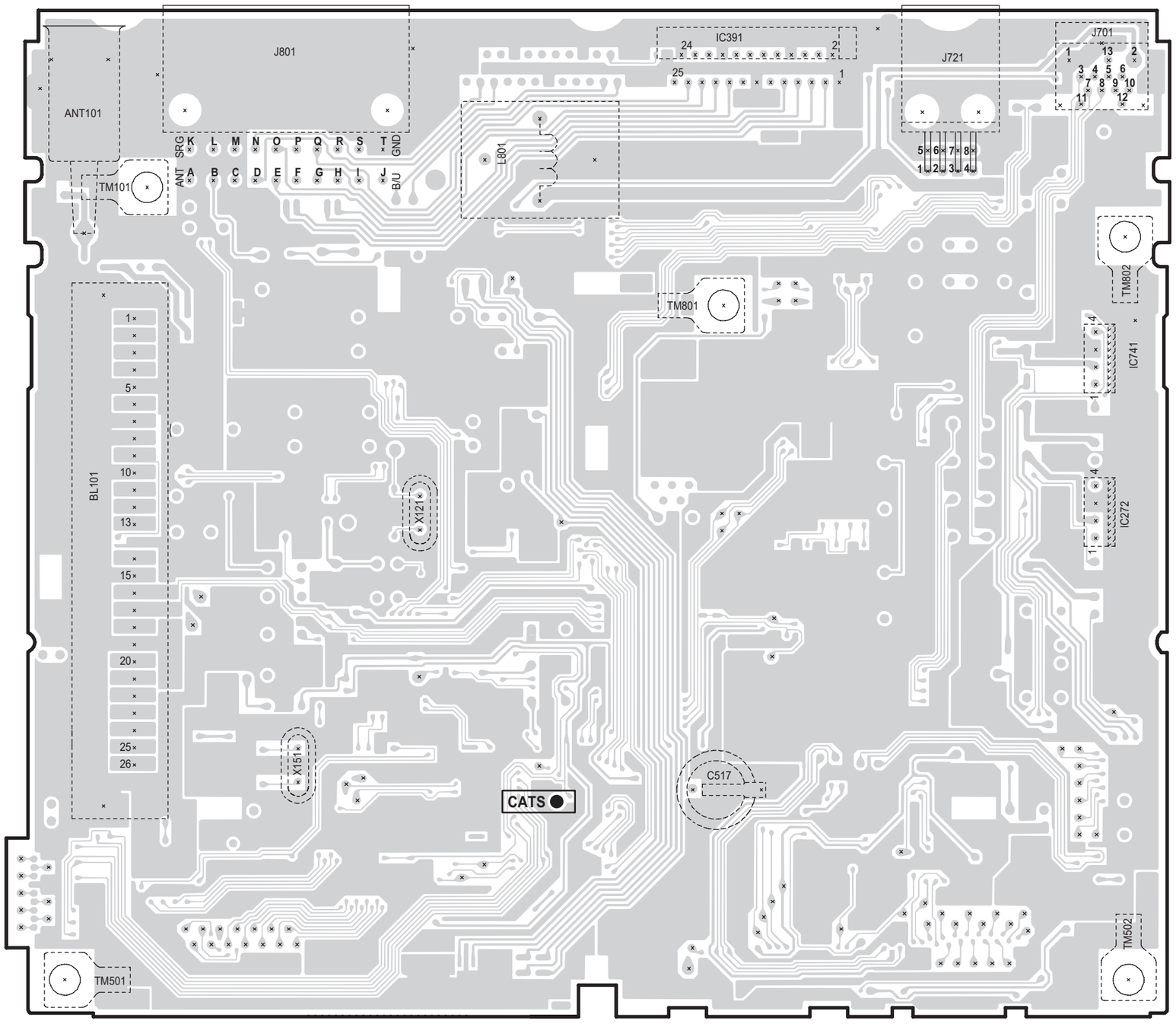
J721

No	Description
1	ACC
2	N.C.
3	GND
4	AUX L-ch (+)
5	N.C.
6	AUX-ON
7	S-GND
8	AUX R-ch (+)

Ce-NET

J701

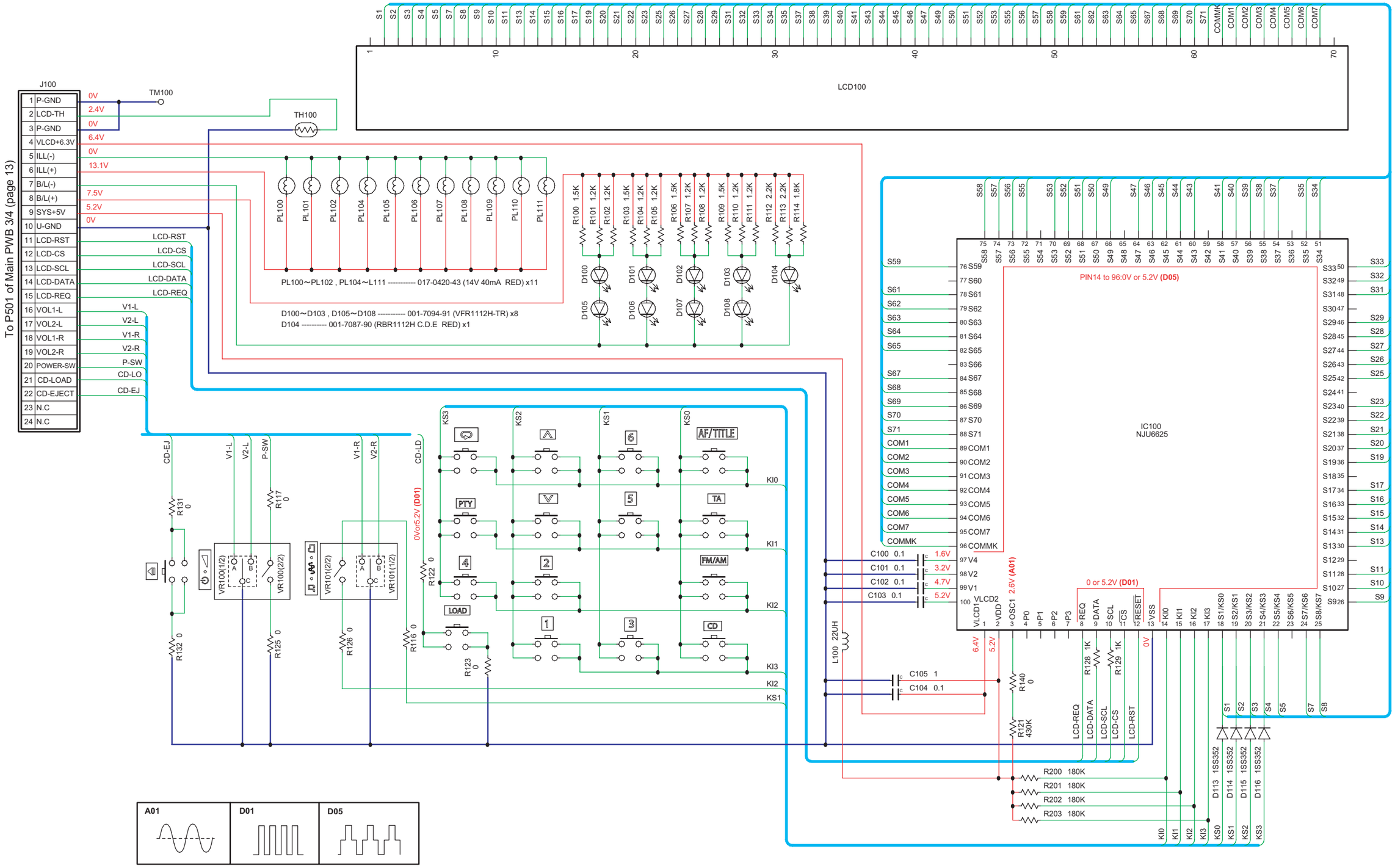
No	Description
1	GROUND
2	B/U
3	L-ch (+)
4	N.C.
5	N.C.
6	BUS (+)
7	R-ch (+)
8	R-ch (-)
9	SYS-ACC
10	BUS (-)
11	L-ch (-)
12	ILL (+)
13	N.C.



Caution:
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

CIRCUIT DIAGRAM

Switch PWB (B2) section



PRINTED WIRING BOARD

Switch PWB(B2) section

COMPONENT SIDE

RUBBER SW (R)
(345-5591-00)

Caution:
COMPONENT SIDE:
Parts on the component side seen
from the component side are indicated.

PL100
PL101
PL102
VR101
PL104
TH100
D100
D105
D101
D106
D104
D107
D102
D103
D108
LCD100
70
PL105
AF/TITLE
6
5
TA
4
PL106
FM/AM
3
2
CD
PL107
1
RUBBER SW (C)
(345-5589-00)
RUBBER SW (L)
(345-5590-00)
PTY
PL109
PL110
VR100
PL108
PL111

※ The parts of adotted line express the parts on a component side.

SOLDER SIDE

Caution:
SOLDER SIDE:
Parts on the solder side seen
from the solder side are indicated.

To P501 of Main PWB
(Page 15)

R116 R126
R132
R131
J100
24
23
2
1
70
R102
R101
R100
R105
R104
R103
R114
R113
R112
C104
C103
C102
C101
C100
100
76
1
75
IC100
25
51
26
50
LCD100
TM100
R121
C105
L100
R129
R106
R107
R108
R109
R110
R111
R128
R201
R200
R202
R203
D116
D115
D114
D113
R123
R122
R125
R117