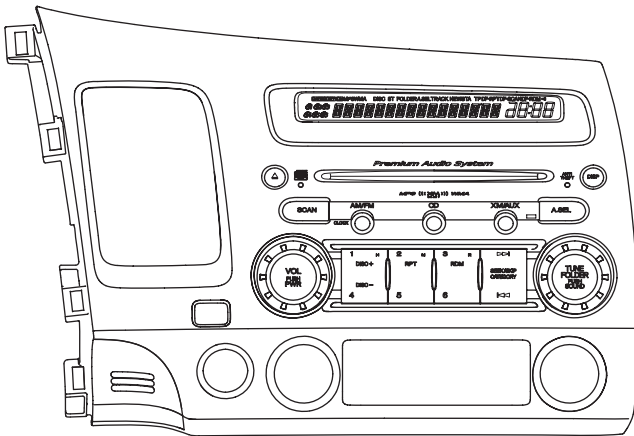


Service Manual



PH-2761C-F

HONDA Automobile Genuine
 AM/FM Radio CD Stereo
 (Pre-AMP Type)

Model PH-2761C-F
 (Genuine No. 39100-SVA-A11)
 (ID No. 4PC0 / ID Label: HM-B)

Model PH-2761C-G
 (Genuine No. 39100-SVA-A11)
 (ID No. 4PC0 / ID Label: HM-H)

Model PH-2761C-H
 (Genuine No. 39100-SVA-C11)
 (ID No. 4PC1 / ID Label: HN-B)

Model PH-2761C-I
 (Genuine No. 39100-SVB-A11)
 (ID No. 4TC0 / ID Label: HP)

Model PH-2761C-J
 (Genuine No. 39100-SVB-C11)
 (ID No. 4TC1 / ID Label: HQ)

Model PH-2761C-K
 (Genuine No. 39100-SNA-K51)
 (ID No. 4TC6 / ID Label: TL-B)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with the original manual.

	Original model	Manual No.
PH-2761C-F	PH-2761C-A	298-6303-00
PH-2761C-G	PH-2761C-B	
PH-2761C-H	PH-2761C-C	
PH-2761C-I	PH-2761C-D	
PH-2761C-J	PH-2761C-E	
PH-2761C-K	PH-2761C-D	

DIFFERENT POINT

CD mechanism and some parts were changed from the original model(PH-2761C-A/B/C/D/E).

	PH-2761C-A/B/C/D/E	PH-2761C-F/G/H/I/J/K
CD mechanism	929-0292-80	929-5000-80

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 problems 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°C. 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.

ADJUSTMENT

Clock accuracy

1. Connect the frequency counter with CLK-TP directly by using 10:1 probes.
2. Set the frequency counter to not "FREQUENCY" but "PERIOD".
3. Set GATE TIME to 10S.
4. Adjust TC701 so that the reading is 30.5184 to 30.5186 micro seconds.

EXPLANATION OF IC

052-3197-21 uPD703272YGC324-8EAA System Contoller

Terminal Description

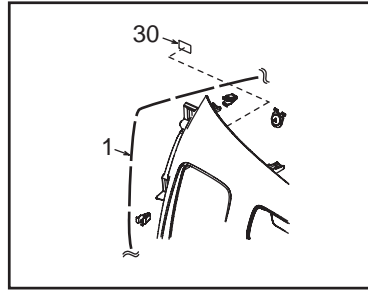
pin 1: A Vref 0	: - : Reference voltage for the internal ADC.	pin 57: EJECT SW	: IN: Eject switch signal input.
pin 2: A VSS	: - : Negative voltage supply for analog section.	pin 58: SBSY	: IN: Sub code block synchronous signal detection input.
pin 3: ANC CHK	: O : This pin outputs H on testing.	pin 59: LD MUTE	: O : Muting signal output to the CD mechanism.
pin 4: ANC OFF	: O : This pin outputs H without ANC-connection.	pin 60: LD CONT	: O : Loading control signal output.
pin 5: A Vref 1	: - : Reference voltage for the internal DAC.	pin 61: TR A	: IN: Photo sensor signal input from the CD mechanism.
pin 6: DSP RESET	: O : Reset signal output to the DSP IC.	pin 62: TR B	: IN: Photo sensor signal input from the CD mechanism.
pin 7: DSP INIT	: IN: The initial finished signal input from the Radio-Audio-DSP.	pin 63: CHU SW	: IN: CD disc chucking signal input.
pin 8: FLMDO	: O : Connect to the ground to standard motion.	pin 64: S STOP	: IN: Inside limit signal input from the CD mechanism.
pin 9: VDD	: - : Positive voltage supply.	pin 65: BUS 0	: I/O: CD IC Data input / output.
pin 10: REG C	: - : The capacitor connection.	pin 66: BUS 1	: I/O: CD IC Data input / output.
pin 11: VSS	: - : Negative voltage supply.	pin 67: BUS 2	: I/O: CD IC Data input / output.
pin 12: X 1	: - : The crystal connection.	pin 68: BUS 3	: I/O: CD IC Data input / output.
pin 13: X 2	: - : The crystal connection.	pin 69: B VSS	: - : Ground for the bus interface section.
pin 14: RESET	: IN: Reset signal input.	pin 70: B VDD	: - : Positive voltage supply for the bus interface section.
pin 15: XT 1	: - : Crystal connection.	pin 71: CD RESET	: O : The reset pulse output to the CD IC.
pin 16: XT 2	: - : Crystal connection.	pin 72: CCE	: O : The chip enable signal output.
pin 17: RDBS DATA	: IN: RDBS data input.	pin 73: BUC CLOCK	: O : CD IC clock pulse output.
pin 18: BU DET	: IN: Backup detection signal input.	pin 74: MP3 RAM STB	: O : MP3 RAM standby output.
pin 19: ACC DET	: IN: ACC detection signal input.	pin 75: MP3 REQ	: IN: MP3 request input.
pin 20: RDBS CLCK	: IN: RDBS clock input.	pin 76: NU	: - : Not in use.
pin 21: SPEED PULSE	: IN: The speed pulse input.	pin 77: MP3 RESET	: O : MP3 reset output.
pin 22: TUNE DATA	: O : I2C data output for BUS Tuner.	pin 78: MP3 STB	: O : MP3 standby output.
pin 23: TUNE CLK	: O : I2C clock output for BUS Tuner.	pin 79: MP3 CS	: O : MP3 chip selection signal output.
pin 24: CATS KEY	: IN: The treasure key signal input for CATS.	pin 80: MP3 LP	: O : MP3 latch pulse output.
pin 25: FLASH TX	: O : The serial data output for the flash memory.	pin 81: MP3 ACK	: IN: MP3 acknowledge input.
pin 26: FLASH RX	: IN: The serial data input for the flash memory.	pin 82: EEP ROM CE	: O : The chip enable signal output to the EEP-ROM.
pin 27: ILL PWM	: IN: The illumination PWM input.	pin 83: EEP ROM CLK	: O : The clock pulse output to the EEP-ROM.
pin 28: CMS 1	: IN: The keyless entry setting terminal.	pin 84: EEP ROM DI	: IN: The serial data input from the EEP-ROM.
pin 29: CMS 2	: IN: The keyless entry setting terminal.	pin 85: EEP ROM DO	: O : The serial data output to the EEP-ROM.
pin 30: LCD Bk Light	: O : LCD back light ON signal output.	pin 86: CD 8V	: O : 8V power supply control signal output.
pin 31: GA-NET TX	: O : The serial data output for GA-NET.	pin 87: CD 3.3V	: O : 3.3V power supply control signal output.
pin 32: GA-NET RX	: IN: The serial data input for GA-NET.	pin 88: DSP 3.3V	: O : 3.3V power supply control signal output.
pin 33: E VSS	: - : Ground.	pin 89: SYS ON	: O : System ON signal output.
pin 34: E VDD	: - : Positive voltage supply.	pin 90: TUNER ON	: O : The tuner ON signal output.
pin 35: K-LINE TX	: O : K-LINE data output.	pin 91: REM 5V	: O : Power ON signal output to the 5V and 3.3V supply circuit.
pin 36: K-LINE RX	: IN: K-LINE data input.	pin 92: POWER STB	: O : The standby signal output to Power IC.
pin 37: LCD BL PULSE	: O : LCD back light control-pulse output.	pin 93: POWER MUTE	: O : The mute signal output to Power IC.
pin 38: ILL PWM	: O : The brightness control signal output for the illumination.	pin 94: POWER DIAGI	: IN: The diagnosis signal input from Power IC.
pin 39: LCD CE 1	: O : Chip enable signal output to LCD driver.	pin 95: AUX DET	: IN: AUX detection signal input.
pin 40: LCD DI	: IN: The serial data input from the LCD driver.	pin 96: ANC DET	: IN: ANC detection signal input.
pin 41: LCD DO	: O : The serial data output to the LCD driver.	pin 97: HFT MUTE	: IN: HFT level-detection for mute.
pin 42: LCD CLK	: O : The clock pulse output to the LCD driver.	pin 98: PAS MUTE	: IN: PAS level-detection for mute.
pin 43: DSP DATA	: O : Serial data output to the digital signal processor.	pin 99: TEL MUTE	: IN: Telephone mute command input.
pin 44: DSP CLK	: O : The clock pulse output to DSP.	pin100: ST REMO	: IN: Steering wheel remote control detection.
pin 45: LCD CE 2	: O : Chip enable signal output to LCD driver.		
pin 46: LCD RESET	: O : Reset pulse output to LCD.		
pin 47: VR A IN	: IN: The pulse signal input from the rotary encoder.		
pin 48: VR B IN	: IN: The pulse signal input from the rotary encoder.		
pin 49: TN A IN	: IN: The pulse signal input from the rotary encoder.		
pin 50: TN B IN	: IN: The pulse signal input from the rotary encoder.		
pin 51: CATS IND	: O : CATS indicator control signal output.		
pin 52: CD 1.5V	: O : 1.5V power supply control signal output.		
pin 53: MP3 DI	: IN: MP3 serial data input.		
pin 54: MP3 DO	: O : MP3 serial data output.		
pin 55: MP3 CLCK	: O : MP3 clock output.		
pin 56: ILL DET	: IN: Illumination ON signal input.		

EXPLODED VIEW / PARTS LIST

Escutcheon section

* Other parts are the same as the original model. Please refer to page 10 of the original service manual.

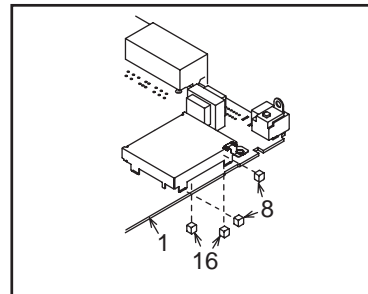
NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8109-14	ES-ASSY (PH2761CF)	1
	940-8109-54	ES-ASSY (PH2761CG)	
	940-8109-64	ES-ASSY (PH2761CH)	
	940-8109-74	ES-ASSY (PH2761CI)	
	940-8109-84	ES-ASSY (PH2761CJ)	
	940-8152-40	ES-ASSY (PH2761CK)	
	5	379-1373-43 379-1339-42	
29	347-7841-51	PROTECTOR	1
30	290-0016-01	LABE (HM-B) (PH2761CF)	1
	290-0016-08	LABEL(HM-H) (PH2761CG)	
	290-0016-02	LABEL(HN-B) (PH2761CH)	
	290-0016-03	LABEL(HP) (PH2761CI)	
	290-0016-04	LABEL(HQ) (PH2761CJ)	
	290-0016-19	LABEL(TL-B) (PH2761CK)	



Main section

* Other parts are the same as the original model. Please refer to page 11 of the original service manual.

NO.	PART NO.	DESCRIPTION	Q'TY
4	310-1817-02	UPPER CASE	1
8	345-8581-03	GASKET	2
10	816-4028-50	FLAT WIRE	1
16	345-8720-00	GASKET	2
17	714-2603-8B	MACHINE SCREW(M2.6x3)	2
19	929-5000-80	CD-MECH-MODULE	1
21	286-6685-11	SETPLATE (PH2761CF)	1
	286-6685-13	SETPLATE (PH2761CG)	
	286-6685-14	SETPLATE (PH2761CH)	
	286-6685-17	SETPLATE (PH2761CI)	
	286-6685-18	SETPLATE (PH2761CJ)	
	286-6685-28	SETPLATE (PH2761CK)	
22	-----	SOCKET CVR(Unused)	1
31	074-1237-79	OUTLET SOCKET(MECH)	1



NOTE)

	ES color code	LCD color
PH-2761C-F(M-B)	NH608L	BLUE
PH-2761C-G(HM-H)	YR334L	BLUE
PH-2761C-H(HN-B)	NH608L	BLUE
PH-2761C-I(HP)	NH608L	AMBER
PH-2761C-J(HQ)	NH608L	AMBER
PH-2761C-K(TL-B)	NH608L	AMBER

ELECTRICAL PARTS LIST

Main PWB section(B1)

* Other parts are the same as the original model. Please refer to page 14 of the original service manual.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C212	043-0554-90	25V 10uF	C714	-----	(Unused)	R806	119-3331-15	1/10W 33k ohm
C215	163-1073-15	6.3V 100uF	C722	168-1042-78	16V 0.1uF	R811	119-1031-15	1/10W 10k ohm
C217	119-3331-15	1/10W 33k ohm	C734	-----	(Unused)			(PH2761CF/G/H/I)
C221	163-4763-15	6.3V 47uF	C736	166-4096-50	4pF CH	R812	119-1031-15	1/10W 10k ohm
C222	163-4763-15	6.3V 47uF	IC201	051-6711-20	TC94A34FG-004			(PH2761CF/G/J/K)
C226	043-0554-90	25V 10uF	IC205	051-9318-00	MSM51V17400D-60TS-K	R813	119-1031-15	1/10W 10k ohm
C227	043-0554-90	25V 10uF				R814	119-1031-15	1/10W 10k ohm
C228	163-1073-15	6.3V 100uF	IC506	051-3057-90	BA4558RFV			(PH2761CH/J)
C231	168-1042-78	16V 0.1uF	IC701	051-5423-38	BD6329G-TR	TC701	004-1583-51	10pF WHT
C232	168-1042-78	16V 0.1uF	IC703	052-3197-21	uPD703272YGC324-8EAA	X702	061-3506-80	32.768MHz
C400	168-1022-55	1000pF K				PWB	039-2882-00	PWB(WITHOUT COMPONENTS)
C467	-----	(Unused)	IC705	051-3408-90	BA2903FV			
C502	163-2263-15	6.3V 22uF	J201	074-1237-79	SOCKET(29P)			
C564	163-1073-35	16V 100uF	R745	-----	(Unused)			

Switch PWB section(B2)

* Other parts are the same as the original model. Please refer to page 16 of the original service manual.

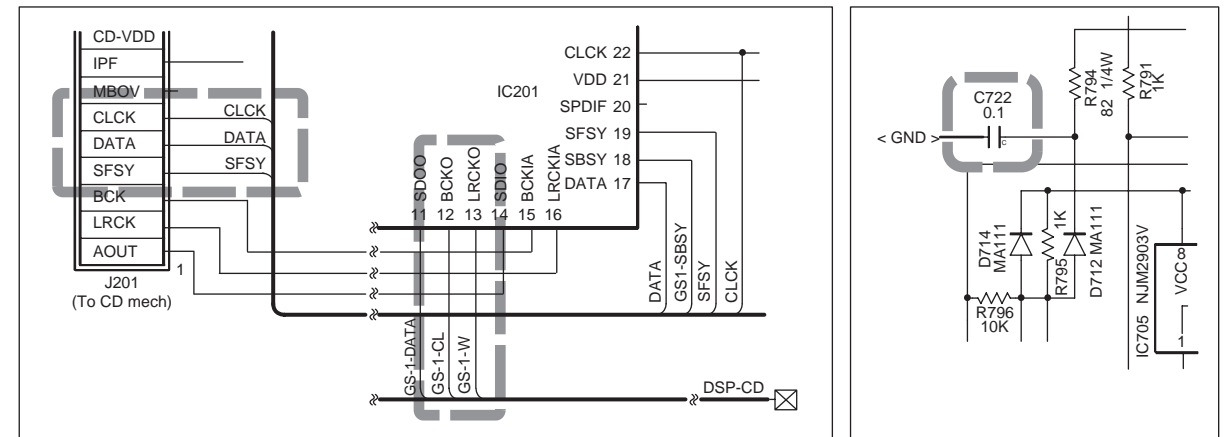
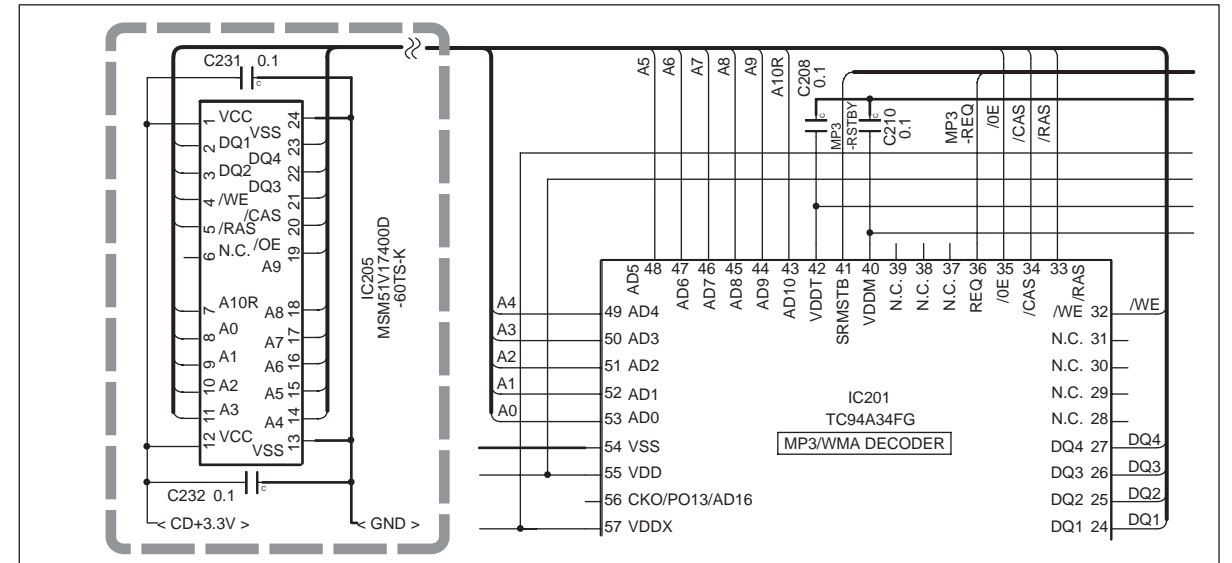
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C112	-----	(Unused)	D107	001-7100-90	NESB017-EE2-KLP7*17.5	D220	-----	(Unused)
C113	-----	(Unused)			(PH2761CF/G/H)	D221	-----	(Unused)
D101	001-7100-90	NESB017-EE2-KLP7*17.5			(PH2761CF/G/H)	LCD101	379-1373-43	LCD(INDICATOR)
		(PH2761CF/G/H)			(PH2761CF/G/H)			(PH2761CF/G/H)
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CI/J/K)		379-1339-42	LCD(INDICATOR)
		(PH2761CI/J/K)			(PH2761CI/J/K)			(PH2761CF/G/H)
D102	001-7100-90	NESB017-EE2-KLP7*17.5	D108	001-7100-90	NESB017-EE2-KLP7*17.5	Q205	-----	(Unused)
		(PH2761CF/G/H)			(PH2761CF/G/H)	Q206	-----	(Unused)
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CF/G/H)	R105	116-2711-15	1/4W 270 ohm
		(PH2761CI/J/K)			(PH2761CF/G/H)			(PH2761CF/G/H)
D103	001-7100-90	NESB017-EE2-KLP7*17.5			(PH2761CI/J/K)	R106	116-2711-15	1/4W 270 ohm
		(PH2761CF/G/H)	D109	001-7100-90	NESB017-EE2-KLP7*17.5			(PH2761CF/G/H)
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CF/G/H)	R107	116-2711-15	1/4W 270 ohm
		(PH2761CI/J/K)			(PH2761CF/G/H)			(PH2761CI/J/K)
D104	001-7100-90	NESB017-EE2-KLP7*17.5	D110	001-7100-90	NESB017-EE2-KLP7*17.5	R108	116-2711-15	1/4W 270 ohm
		(PH2761CF/G/H)			(PH2761CF/G/H)			(PH2761CF/G/H)
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CF/G/H)	R109	116-2711-15	1/4W 270 ohm
		(PH2761CI/J/K)			(PH2761CF/G/H)			(PH2761CF/G/H)
D105	001-7100-90	NESB017-EE2-KLP7*17.5	D111	001-7100-90	NESB017-EE2-KLP7*17.5			(PH2761CF/G/H)
		(PH2761CF/G/H)			(PH2761CF/G/H)	R110	116-2711-15	1/4W 270 ohm
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CF/G/H)			(PH2761CF/G/H)
		(PH2761CI/J/K)			(PH2761CF/G/H)	R111	-----	(Unused)
D106	001-7100-90	NESB017-EE2-KLP7*17.5	D112	001-7100-90	NESB017-EE2-KLP7*17.5	PWB	039-2973-00	PWB(WITHOUT COMPONENTS)
		(PH2761CF/G/H)			(PH2761CF/G/H)			
	001-7100-92	NESB017-ED2-KLP2LP3*17			(PH2761CI/J/K)			

CIRCUIT DIAGRAM

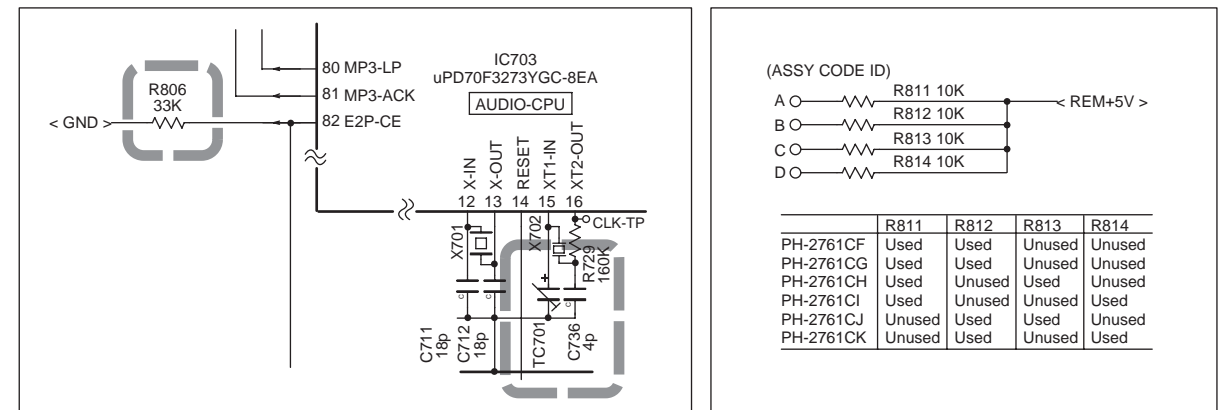
: Changed point

* Please refer to ELECTRICAL PARTS LIST about the changed parts.
* Other circuits are the same as the original model.
Please refer to the original service manual [page21-25].

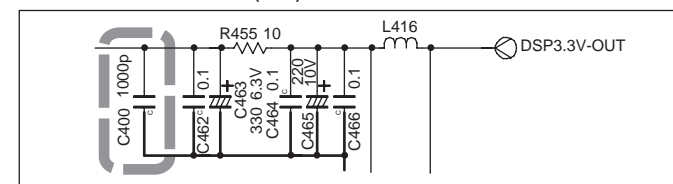
Main PWB section(B1) 2/5



Main PWB section(B1) 3/5



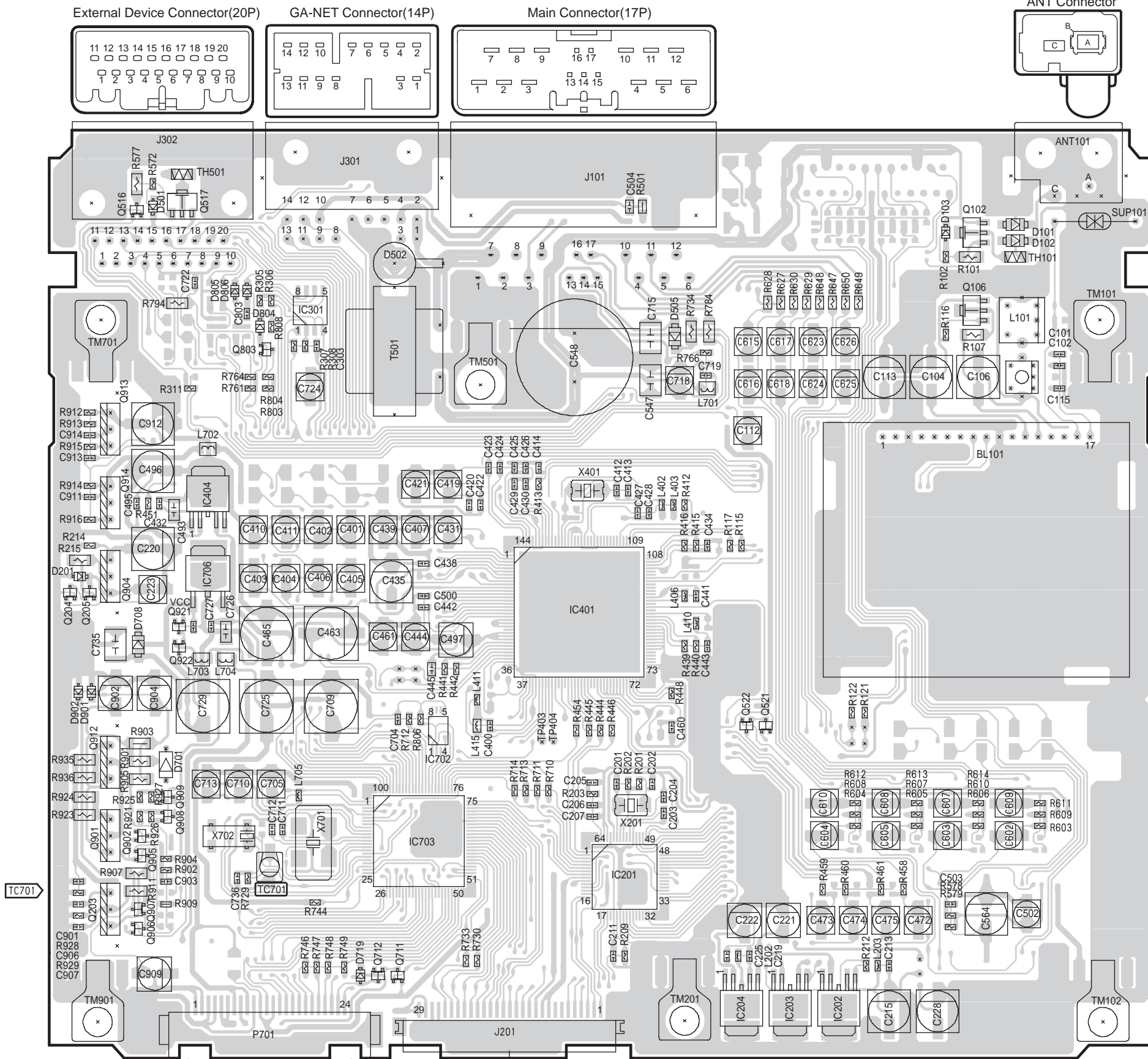
Main PWB section(B1) 4/5



Main PWB section(B1) 2/2

1 NC(TELM SH GND)	8 AUX SIG GND	15 SW +B	1 +B	8 BUS GND	1 MAIN GND	8 RR+	15 SECURITY
2 NC(TELM SIG-)	9 NC(NAVI SH GND)	16 AUX DET	2 +B	9 GND-SHIELD	2 RR-	9 FR+	16 ACC
3 NC(HFT ICON1)	10 NC(NAVI GND)	17 AUX R-CH	3 SYSTEM ACC	10 ILL-C	3 FR-	10 FL+	17 VSP
4 REMOTE	11 NC(HFT MUTE)	18 AUX L-CH	4 ILL	11 R+	4 FL-	11 RL+	
5 REMOTE GND	12 NC(TELM SIG+)	19 NC(NAVI R-CH)	5 BUS+	12 R-	5 RL-	12 ILL+	
6 AUX GND	13 NC(HFT ICON2)	20 NC(NAVI L-CH)	6 BUS-	13 L+	6 ILL-	13 K-LINE	
7 AUX SH GND	14 NC(PAS MUTE)		7 MAIN GND	14 L-	7 +B	14 NC(TEL-MUTE)	

A	ANT IN
B	GND
C	SWD +B

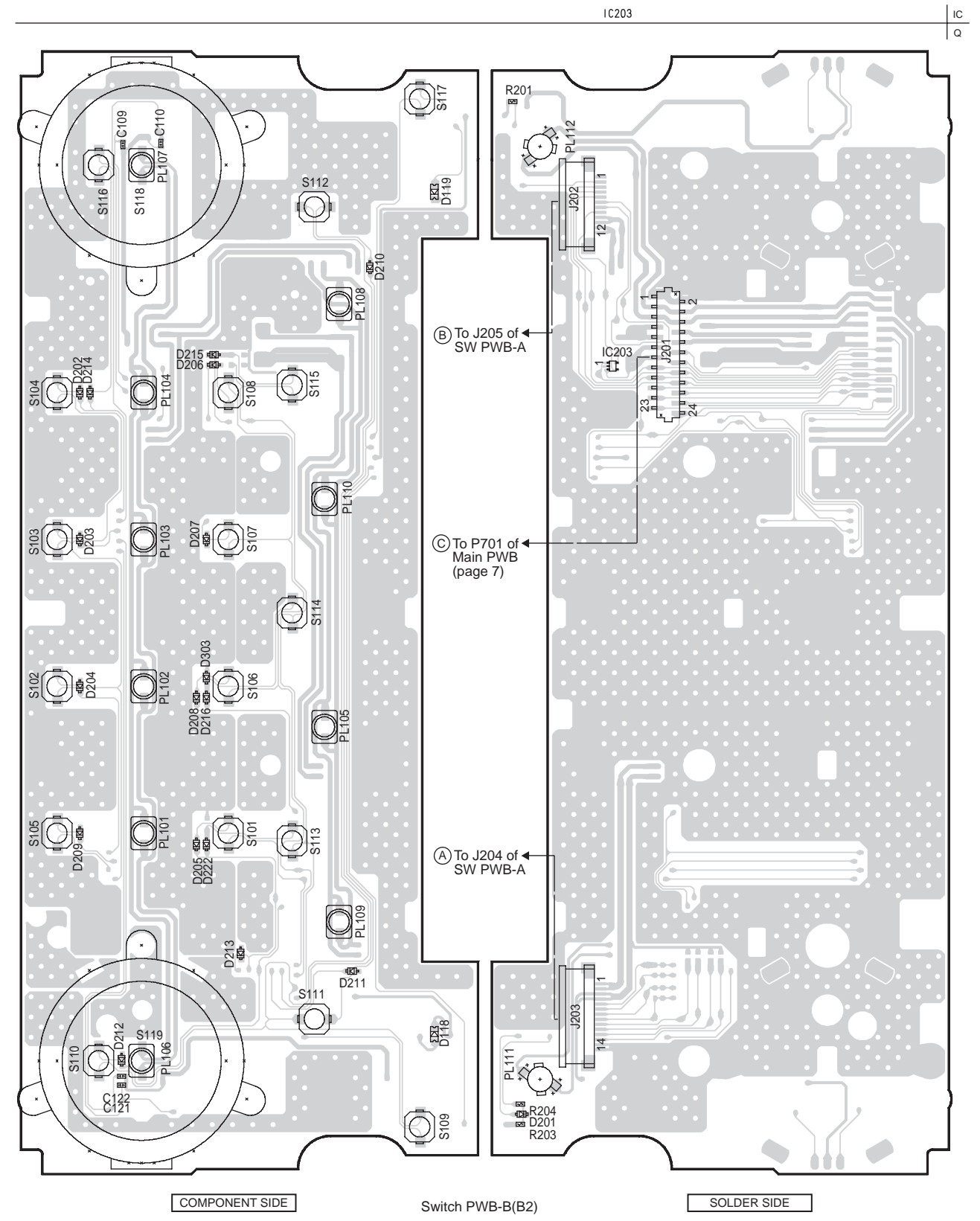
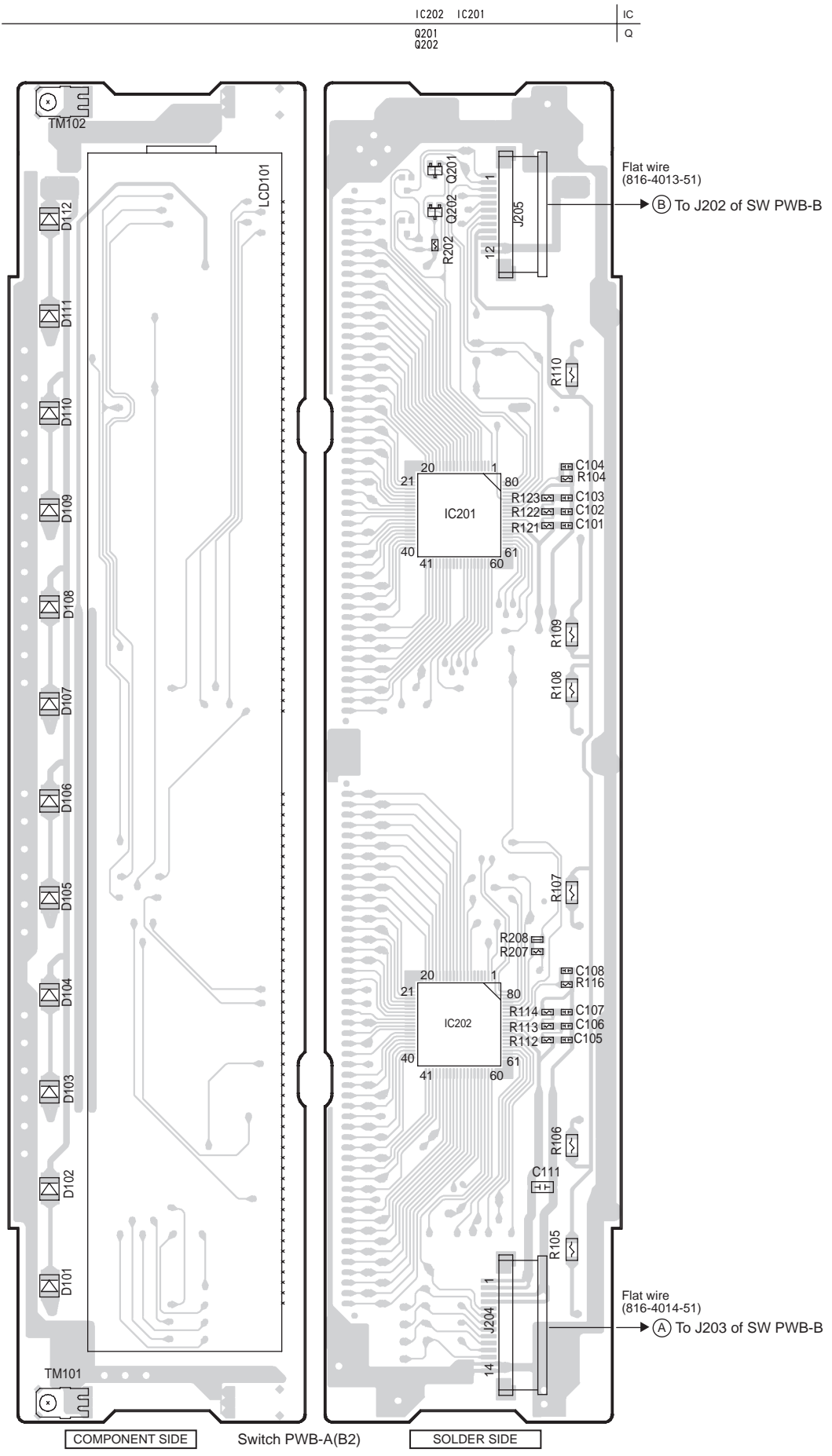


Q	IC
Q517	
Q516	
Q102	
Q106	IC301
Q803	
Q913	
Q914	IC404
Q914	IC706
Q204	
Q205	
Q904	IC401
Q921	
Q922	
Q521	IC702
Q522	
Q912	
Q909	
Q908	
Q902	IC703
Q901	
Q905	IC201
Q907	
Q203	
Q906	
Q711	
Q712	
IC202	
IC203	
IC204	

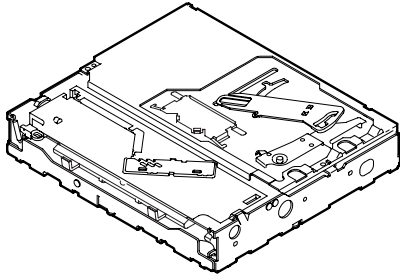
© To J201 of SW PWB-B(page 8) Flat Wire (816-4028-50) Main PWB(B1) COMPONENT SIDE D To J101 of CD PWB(page M6)

Switch PWB-A(B2) section

Switch PWB-B(B2) section



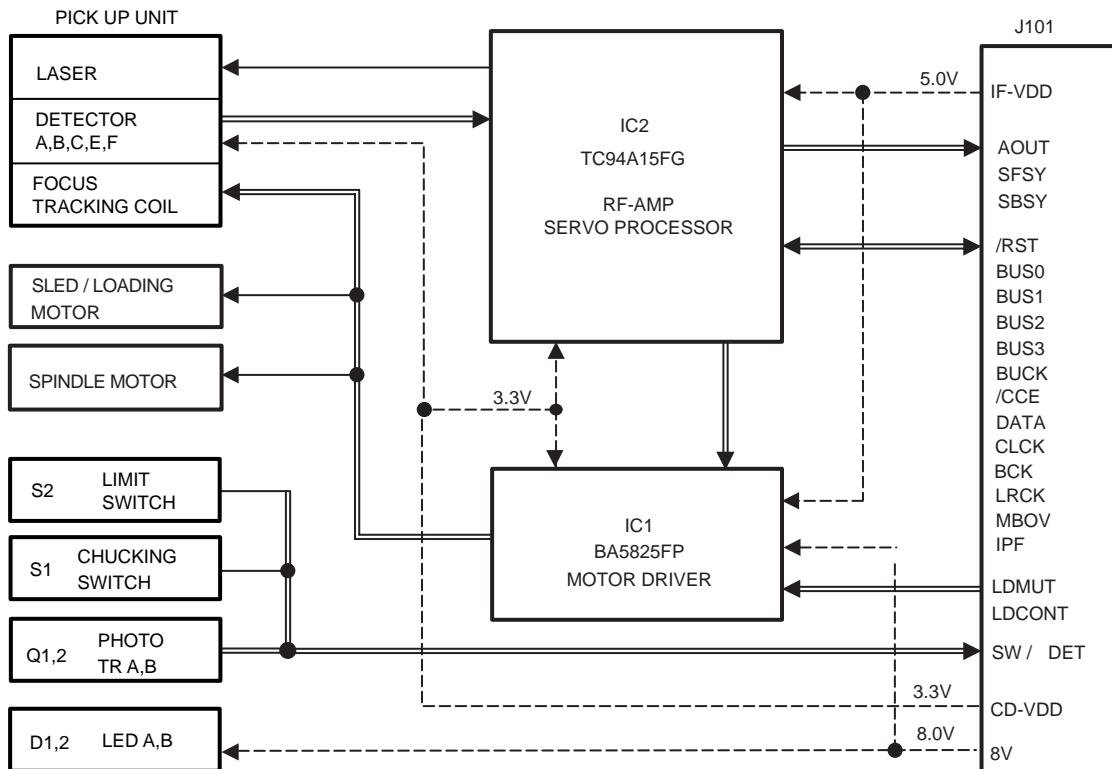
Service Manual



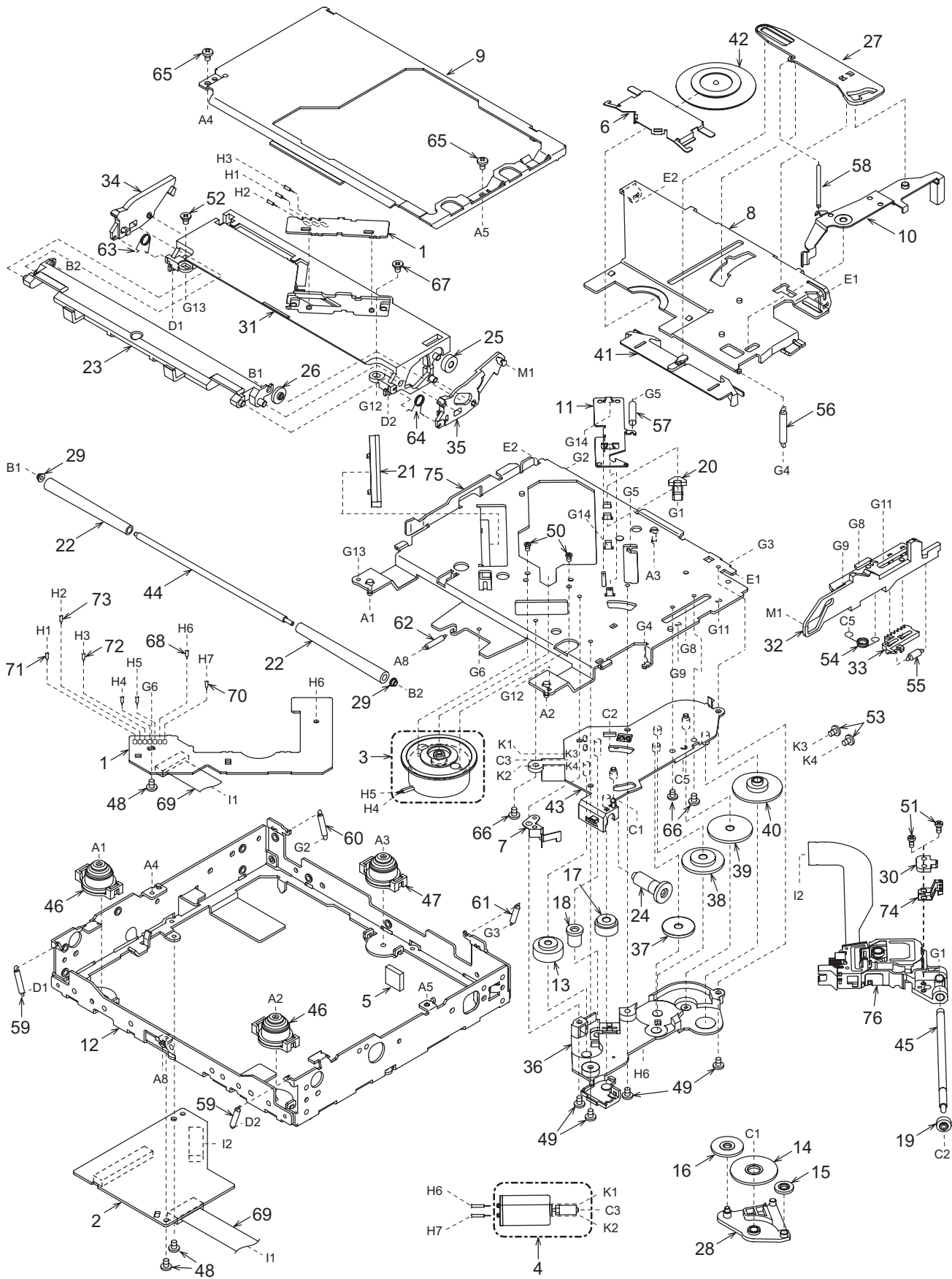
CD mechanism

Model **929-5000-80**

BLOCK DIAGRAM



EXPLODED VIEW / PARTS LIST



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	SENSOR PWB	1	39	621-1750-20	POWER GEAR C	1
2	-----	MAIN PWB	1	40	621-1751-20	POWER GEAR D	1
3	SMA-182-100	SPINDLE MOTOR-ASSY	1	41	621-1752-20	DISC STOPPER	1
4	SMA-183-100	SLED MOTOR-ASSY	1	42	621-1753-20	CLAMPER RING	1
5	345-5476-20	CUSHION RUBBER	1	43	621-1754-20	GEAR BASE	1
6	620-1023-23	CLAMPER PLATE	1	44	622-1571-21	ROLLER SHAFT	1
7	620-1026-21	SPRING PLATE	1	45	624-0020-00	LEAD SCREW	1
8	620-1596-23	CLAMPER LINK	1	46	629-0086-20	DAMPER F	2
9	620-1598-22	UPPER CHASSIS	1	47	629-0087-20	DAMPER R	1
10	620-1752-20	SENSOR ARM	1	48	716-1507-01	SCREW(M2x3)	3
11	620-1753-20	ID-LOCK PLATE	1	49	716-1670-01	SCREW(M2x4)	4
12	620-1754-20	LOWER CHASSIS	1	50	716-1733-01	SCREW(M1.7x2.3)	2
13	621-0608-21	SECOND GEAR	1	51	716-3469-01	SCREW(1.7x4)	2
14	621-0609-20	BASE GEAR	1	52	716-3473-01	SCREW(M2x3)	1
15	621-0610-20	IDLE GEAR A	1	53	716-3551-00	SCREW(M1.4x2.5)	2
16	621-0611-20	IDLE GEAR B	1	54	750-3467-21	SHIFT SPRING	1
17	621-0612-21	ROLLER GEAR A	1	55	750-3468-20	RACK SPRING	1
18	621-0620-20	THREAD GEAR A	1	56	750-3469-20	CLAMPER SPRING	1
19	621-0621-20	THREAD GEAR B	1	57	750-3470-20	ID-LOCK SPRING	1
20	621-0623-23	LS-HOLDER	1	58	750-3471-20	SENSOR SPRING	1
21	621-0624-22	GUIDE RAIL	1	59	750-3472-21	DR-SPRING F	2
22	621-0711-20	LOADING ROLLER	2	60	750-3473-20	DR-SPRING RA	1
23	621-0718-21	ROLLER GUIDE	1	61	750-3474-20	DR-SPRING RB	1
24	621-0719-20	ROLLER GEAR B	1	62	750-3475-21	DR-SPRING C	1
25	621-0720-20	ROLLER GEAR C	1	63	750-6797-20	ROLLER SPRING L	1
26	621-0721-20	ROLLER GEAR D	1	64	750-6798-20	ROLLER SPRING R	1
27	621-0728-20	STOPPER LINK	1	65	714-2003-8B	SCREW(M2x3)	2
28	621-1719-20	IDLE CASE	1	66	780-2025-00	SCREW(M2x2.5)	3
29	621-1726-20	ROLLER SLEEVE	2	67	781-1730-00	SCREW(M1.7x3)	1
30	621-1729-20	SH-BASE	1	68	803-4906-60	VINYL-COAT-WIRE(ORG)	1
31	621-1742-20	UPPER GUIDE	1	69	816-2542-01	FLAT WIRE	1
32	621-1743-20	SHIFT LEVER	1	70	816-2590-00	VINYL-COAT-WIRE(GRN)	1
33	621-1744-20	RACK	1	71	816-2591-00	VINYL-COAT-WIRE(YEL)	1
34	621-1745-20	LOCK ARM L	1	72	816-2592-00	VINYL-COAT-WIRE(BLUE)	1
35	621-1746-20	LOCK ARM R	1	73	816-2593-00	VINYL-COAT-WIRE(PUR)	1
36	621-1747-20	GEAR COVER	1	74	966-1722-20	SH-RACK-ASSY	1
37	621-1748-20	POWER GEAR A	1	75	966-1743-21	DRIVE-PLT-ASSY	1
38	621-1749-20	POWER GEAR B	1	76	969-0071-30	PICKUP-ASSY	1

ELECTRICAL PARTS LIST

CD PWB(BM1) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	168-1042-78	16V 0.1uF	C27	046-3332-78	0.033uF	R2	117-1001-15	1/8W 10 ohm
C2	163-1073-35	16V 100uF	C29	046-6822-58	6800pF	R3	033-2211-15	1/10W 220 ohm
C4	178-1052-78	1uF	C30	168-1042-78	16V 0.1uF	R5	033-0000-05	1/10W 0 ohm
C5	042-0560-85	6.3V 100uF	C31	046-4712-58	470pF	R6	033-5621-15	1/10W 5.6k ohm
C6	178-1052-78	1uF	C32	046-4712-58	470pF	R7	033-4731-15	1/10W 47k ohm
C8	178-1052-78	1uF	C33	168-1042-78	16V 0.1uF	R8	033-3341-15	1/10W 330k ohm
C10	168-1042-78	16V 0.1uF	C34	168-4732-78	16V 0.047uF	R9	033-2231-15	1/10W 22k ohm
C11	168-1042-78	16V 0.1uF	C35	168-4732-78	16V 0.047uF	R10	033-2231-15	1/10W 22k ohm
C12	045-4701-50	47pF	C36	045-1007-50	10pF	R11	033-2731-15	1/10W 27k ohm
C13	046-1532-78	0.015uF	C37	045-1007-50	10pF	R12	033-4731-15	1/10W 47k ohm
C14	168-1042-78	16V 0.1uF	C38	168-1042-78	16V 0.1uF	R13	033-2731-15	1/10W 27k ohm
C15	046-1032-78	0.015uF	C39	046-5622-58	5600pF	R14	033-1531-15	1/10W 15k ohm
C17	046-4722-58	4700pF	C40	168-1042-78	16V 0.1uF	R15	033-2731-15	1/10W 27k ohm
C18	046-1522-58	1500pF	CCT1	050-0140-63	1/32W 47k ohm x4J	R16	033-8231-15	1/10W 82k ohm
C19	168-1042-78	16V 0.1uF	D1	001-0367-91	1SS226	R17	033-2731-15	1/10W 27k ohm
C20	168-1042-78	16V 0.1uF	IC1	051-6079-90	BA5830FPG	R18	033-8231-15	1/10W 82k ohm
C21	046-6812-58	680pF	IC2	051-6399-00	TC94A15F	R19	033-1051-15	1/10W 1M ohm
C22	168-1042-78	16V 0.1uF	J101	074-1228-79	29P	R20	119-2221-15	1/10W 2.2k ohm
C23	046-1532-78	0.015uF	J201	074-1138-65	15P	X2	061-3534-90	16.92MHz
C24	168-1042-78	16V 0.1uF	J301	074-1138-60	10P	PWB	039-2741-20	PWB(WITHOUT COMPONENT)
C25	045-6801-50	68pF	Q1	131-1188-50	2SB1188PQR			
C26	168-1042-78	16V 0.1uF	R1	117-6811-15	1/8W 680 ohm			

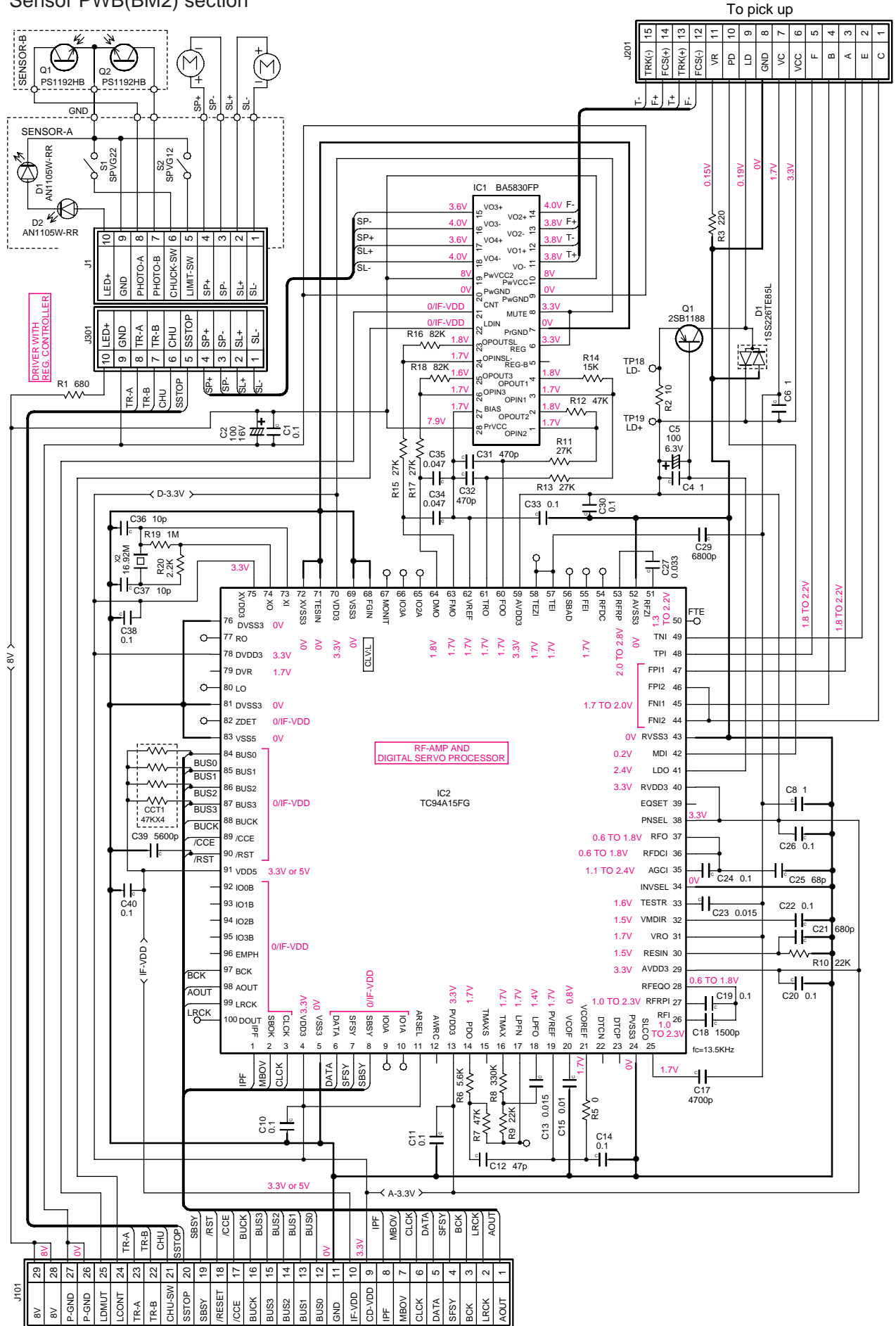
Sensor PWB(BM2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D1	001-7058-90	AN1105W-RR	Q1	060-4015-91	PS1192HB	S2	013-7413-50	LIMIT
D2	001-7058-90	AN1105W-RR	Q2	060-4015-91	PS1192HB	PWB	039-2675-20	PWB(WITHOUT COMPONENT)
J1	074-1138-60	10P	S1	013-7414-50	CHUCKING			

CIRCUIT DIAGRAM

CD PWB(BM1) section

Sensor PWB(BM2) section



To J201 of Main PWB

PRINTED WIRING BOARD

CD PWB(BM1) section

Sensor PWB(BM2) section

