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SECTION 1. GENERAL

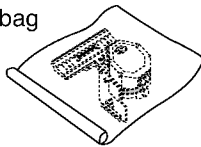
SERVICING PRECAUTIONS

NOTES REGARDING HANDLING OF THE PICK-UP

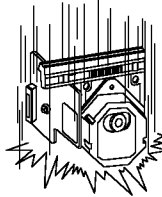
1. Notes for transport and storage

- 1) The pick-up should always be left in its conductive bag until immediately prior to use.
- 2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

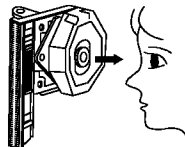


Drop impact



2. Repair notes

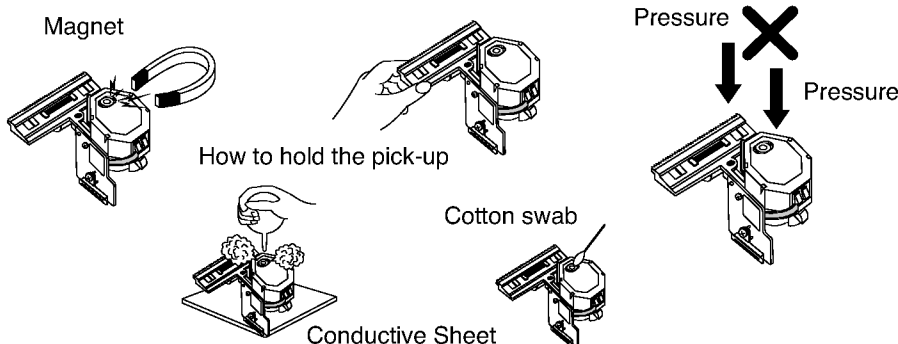
- 1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
- 2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
- 3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation screws should absolutely never be touched.
- 4) Laser beams may damage the eyes!
Absolutely never permit laser beams to enter the eyes!
Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.



NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

5) Cleaning the lens surface

If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.



6) Never attempt to disassemble the pick-up.

Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

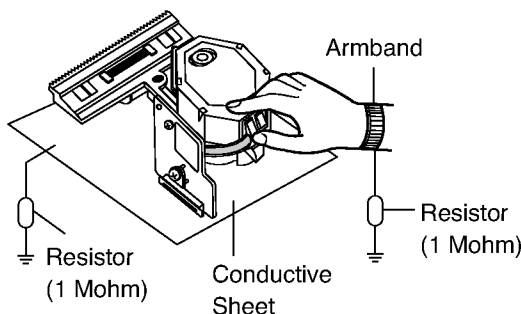
NOTES REGARDING COMPACT DISC PLAYER REPAIRS

1. Preparations

- 1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
- 2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature of humidity is high, where strong magnetism is present, or where there is excessive dust.

2. Notes for repair

- 1) Before replacing a component part, first disconnect the power supply lead wire from the unit
- 2) All equipment, measuring instruments and tools must be grounded.
- 3) The workbench should be covered with a conductive sheet and grounded.
When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag. (This is because there is the possibility of damage by static electricity.)
- 4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
- 5) Workers should be grounded by an armband (1MΩ)
- 6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
- 7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



CLEARING MALFUNCTION

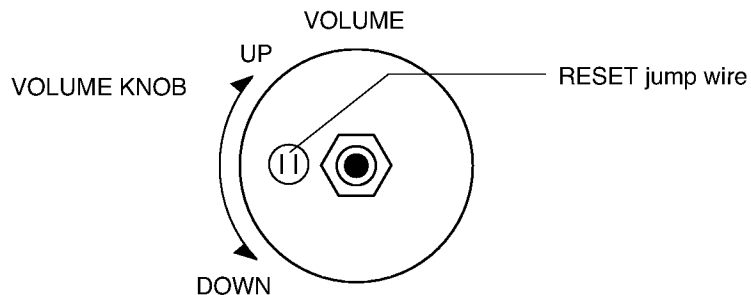
You can reset your unit to initial status if malfunction occur(button malfunction, display, etc.).

Using a pointed good conductor(such as driver), simply short the RESET jump wire on the inside of the volume knob for more than 3 seconds.

If you reset your unit, you must reenter all its settings(stations, clock, timer)

NOTE: 1. To operate the RESET jump wire, pull the volume rotary knob and release it.

2. If you wish to operate the RESET jump wire, it is necessary to unplug the power cord.



ESD PRECAUTIONS

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

8. Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

CAUTION. GRAPHIC SYMBOLS



THE LIGHTNING FLASH WITH APROWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SPECIFICATIONS

[General]	Power supply		Refer to the back panel.
	Power consumption		120W
	Mass		9.5kg
	External dimensions (W x H x D)		273 x 327 x 356 mm
[CD/VCD/DVD]	Laser		Semiconductor laser, wavelength 650 nm
	Frequency response (audio)		40 - 18000 Hz
	Signal-to-noise ratio (audio)		More than 70 dB (1 kHz)
	Signal-to-noise ratio (video)		More than 60 dB (1 kHz)
	Dynamic range (audio)		More than 70 dB
	Harmonic distortion (audio)		0.2 % (1 kHz)
[Video]	Video output		1.0 V (p-p), 75Ω, negative sync., RCA jack
	S-video output		(Y) 1.0 V (p-p), 75Ω, (C) 0.3 V (p-p), 75Ω
[Tuner]	FM	Tuning Range	65 -74 MHz, 87.5 -108.0 MHz
		Intermediate Frequency	10.7 MHz
		Signal to Noise Ratio (Mono/Stereo)	60/55 dB
		Frequency Response	60 - 10000 Hz
	AM (MW)	Tuning Range	522 - 1611 kHz or 530 - 1610 kHz
		Intermediate Frequency	450 kHz
		Signal to Noise Ratio	35 dB
		Frequency Response	100 - 2000 Hz
[Amplifier]	output Power		Front: 55W + 55W (6Ω/ ch THD 10 %)
	T.H.D		0.2%
	Frequency Response		42 - 25000 Hz
	Signal-to-noise ratio		80 dB
[Speaker]	Speaker Model		LMS-K2530V
	Type		3 Way 3 Speaker
	Impedance		6Ω
	Frequency Response		60 - 20000 Hz
	Sound Pressure Level		86 dB/W (1m)
	Rated Input Power		50 W
	Max. Input Power		100 W
	Net Dimensions (W x H x D)		230 x 356 x 293 mm
	Net Weight		5.0 kg
TAPE	Tape Speed		3 kHz ± 50Hz
	Wow Flutter		0.25% (MTT -111, JIS-WTD)
	F.F/REW. Time		120sec (C-60)
	Frequency Response		125 - 8000Hz
	Signal to Noise Ratio		43dB(P/B)/43dB(R/B)
	Channel Separation		45dB(P/B)/42dB(R/P)
	Erase Ratio		52dB (MTT-5511)

NOTE : Specification are subject to change without notice in the course of product improvement.

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page, typical of notebook or legal stationery. There are no margins, text, or other markings on the page.

SECTION 2. ELECTRICAL ADJUSTMENTS

This set has been aligned at the factory and normally will not require further adjustment. As a result, it is not recommended that any attempt is made to modificate any circuit. If any parts are replaced or if anyone tampers with the adjustment, realignment may be necessary.

IMPORTANT

1. Check Power-source voltage.
2. Set the function switch to band being aligned.
3. Turn volume control to minimum unless otherwise noted.
4. Connect low side of signal source and output indicator to chassis ground unless otherwise specified.
5. Keep the signal input as low as possible to avoid AGC and AC action.

TAPE DECK ADJUSTMENT

1. AZIMUTH ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
A Deck Playback	MTT-114	Speaker Out	DECK Screw Azimuth Screw	Maximum
B Deck Playback	MTT-114	Speaker Out	Azimuth Screw	Maximum

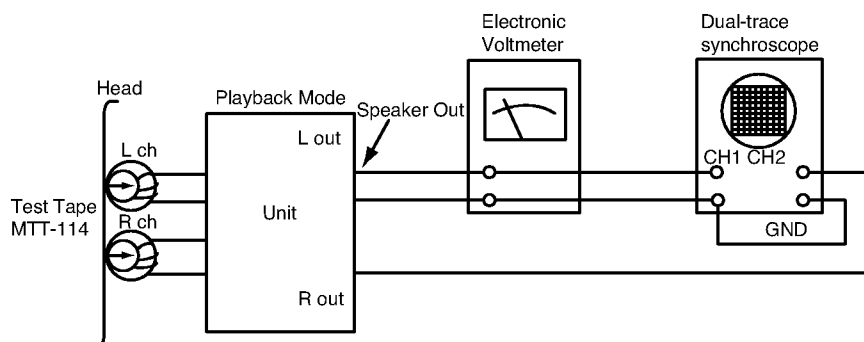


Figure 1. Azimuth Adjustment Connection Diagram

2. MOTOR SPEED ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Normal Speed	MTT-111	Speaker Out	VR401	3kHz $\pm$ 1%	A Deck
HI-Speed	MTT-111	Speaker Out	more than 5.4kHz		HI-Speed Dubbing Mode

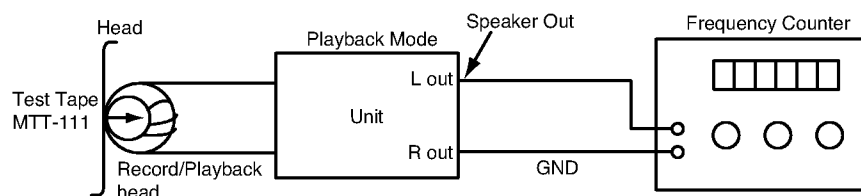


Figure 2. Motor Speed Adjustment Connection Diagram

3. RECORD BIAS ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Rec/Pause	MTT-5511	ERASE HEAD WIRE(PN202)	L401	60kHz±5kHz (Auto stop) 85kHz±5kHz(Auto Reverse)

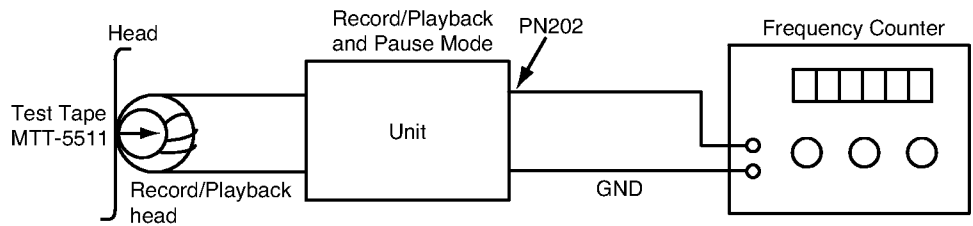
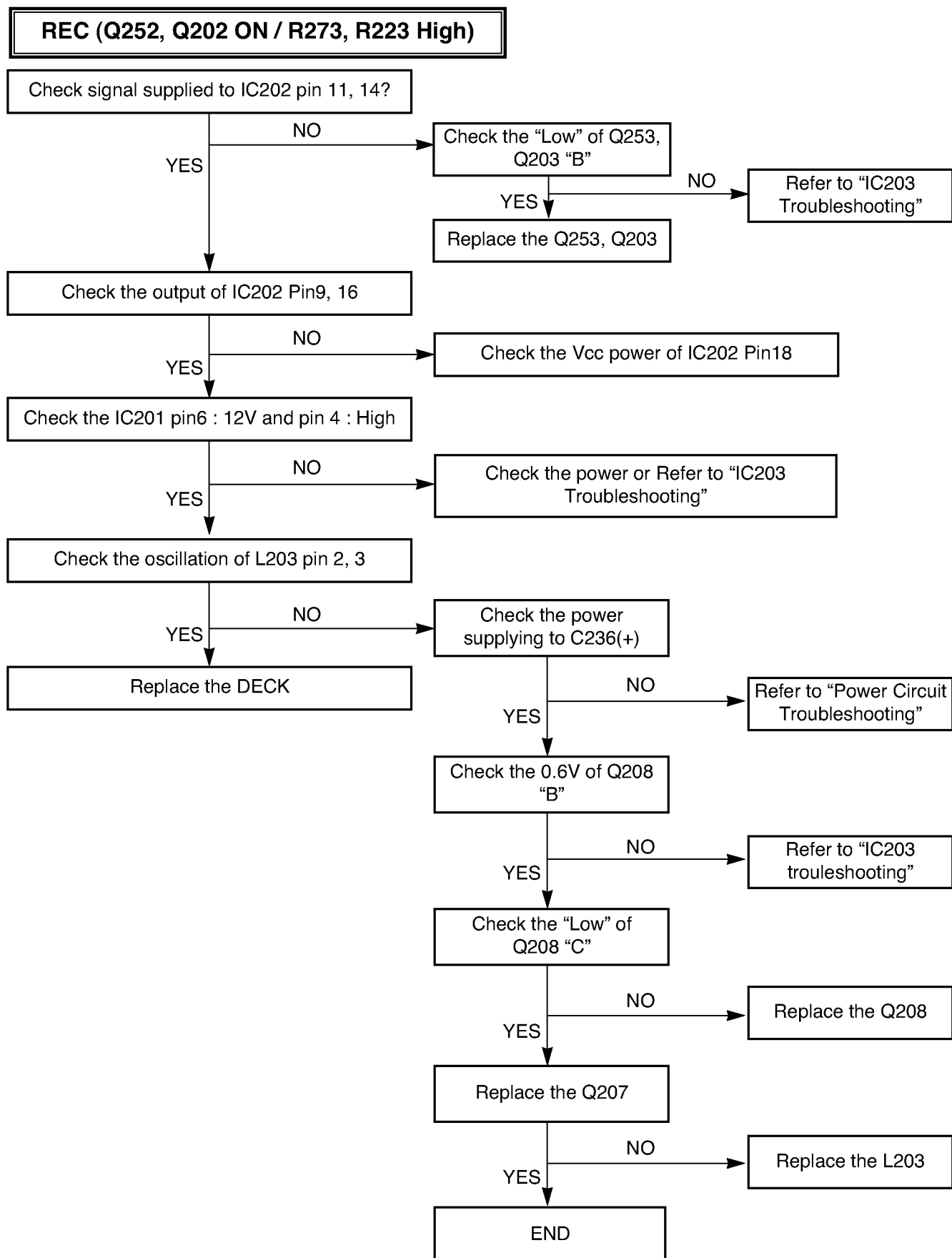
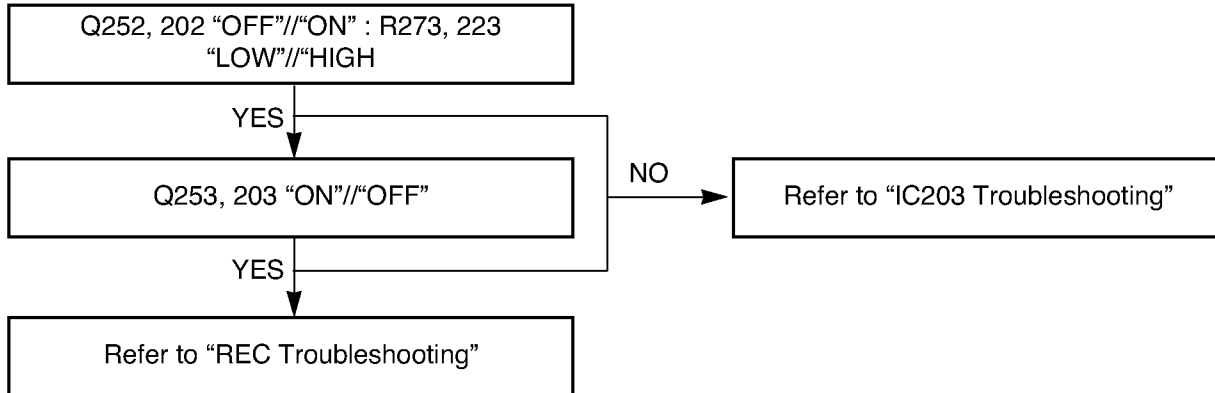


Figure 3. Record Bias Adjustment Connection Diagram

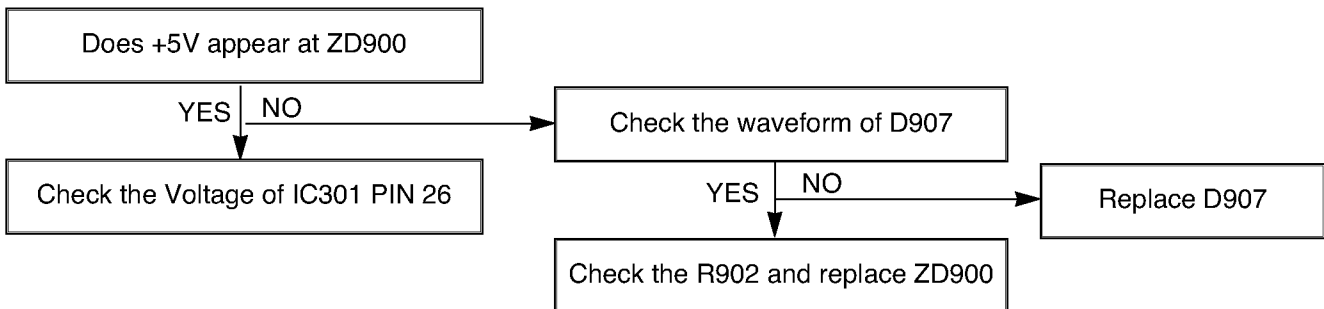
AUDIO PART TROUBLESHOOTING



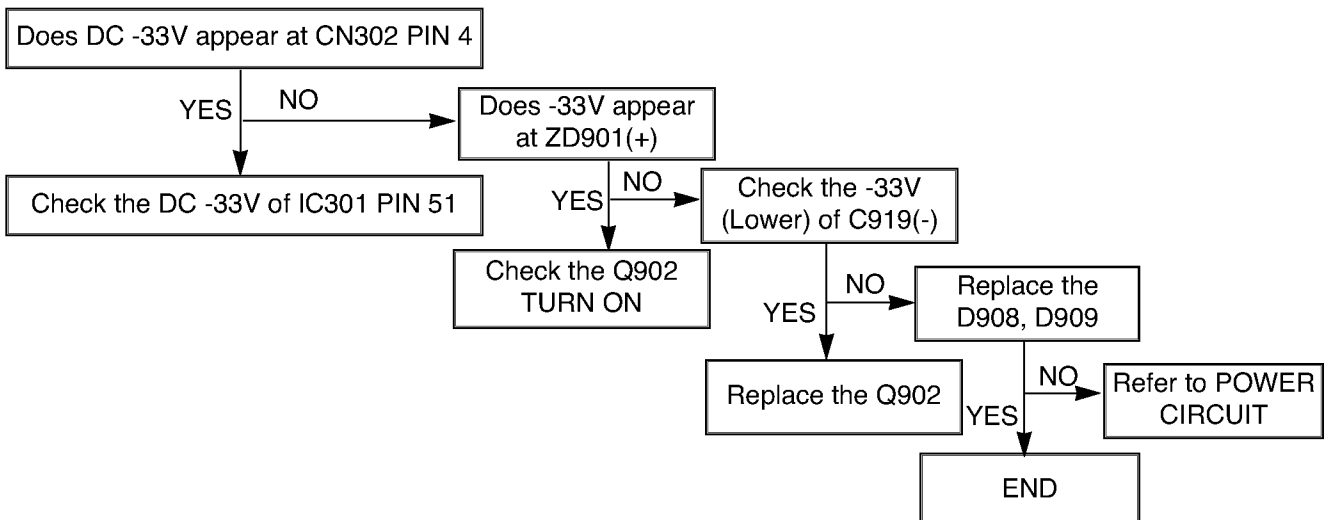
Dubbing(“NORMAL or REC “//“HIGH”)



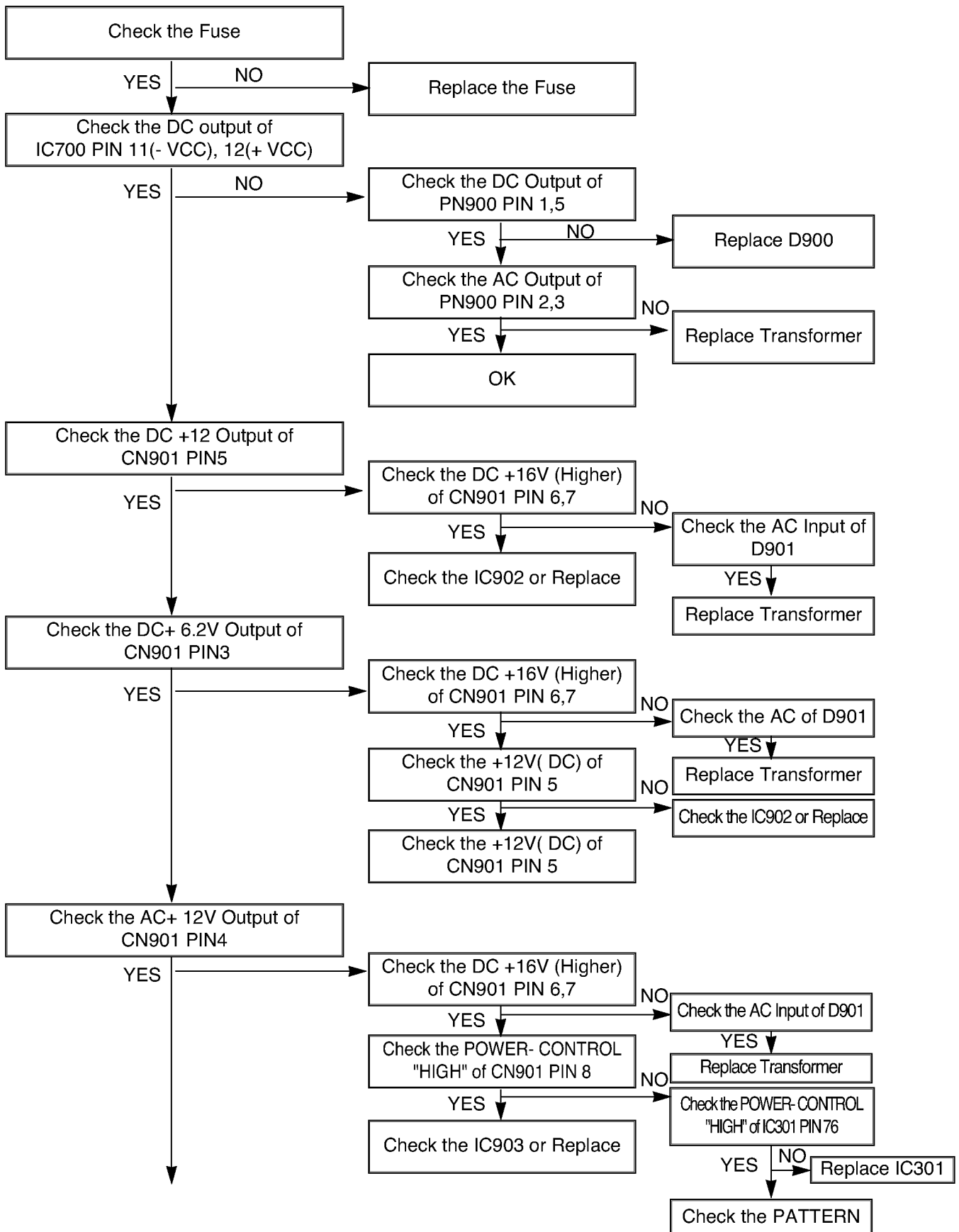
P- SENS PART

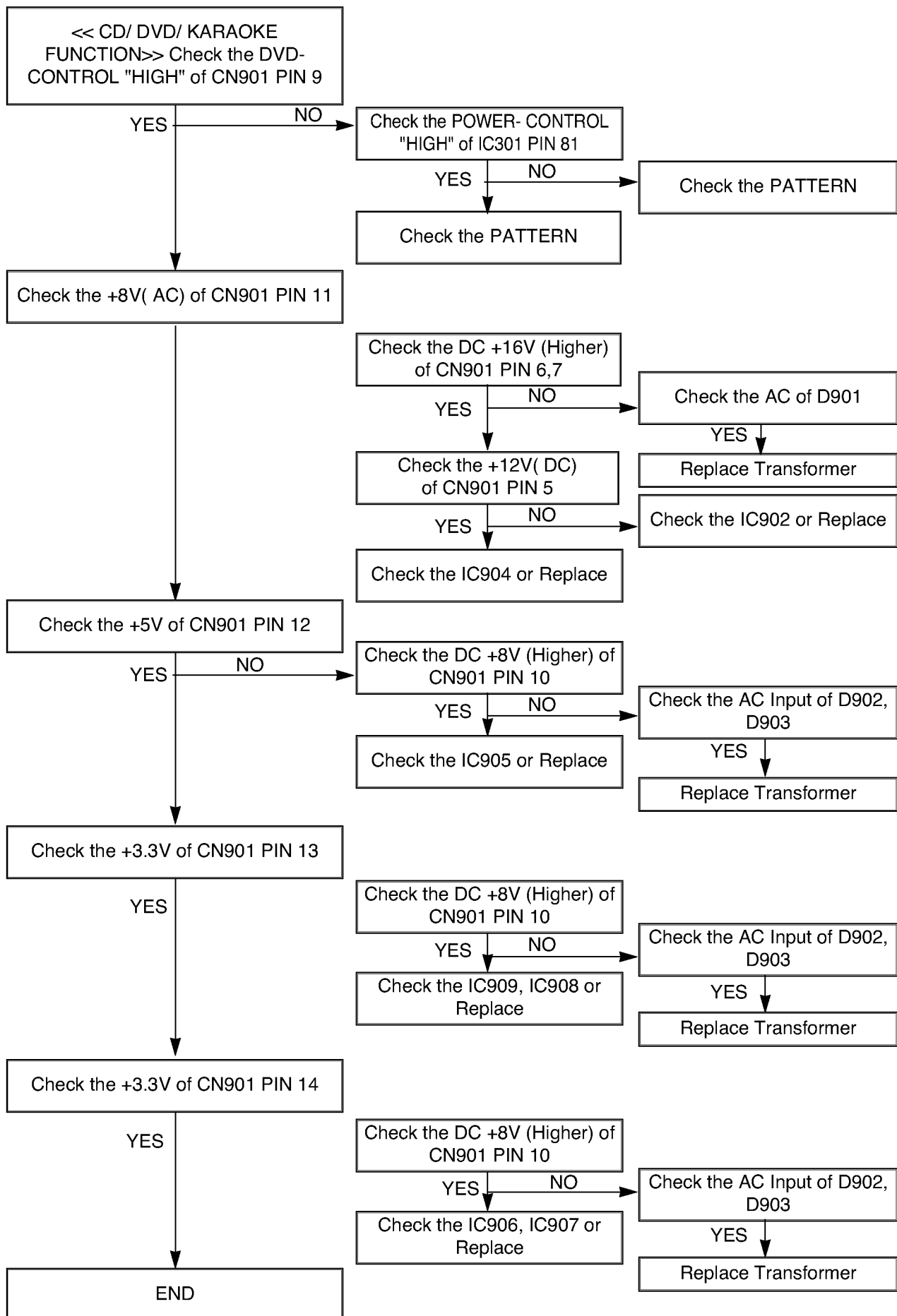


VKK PART

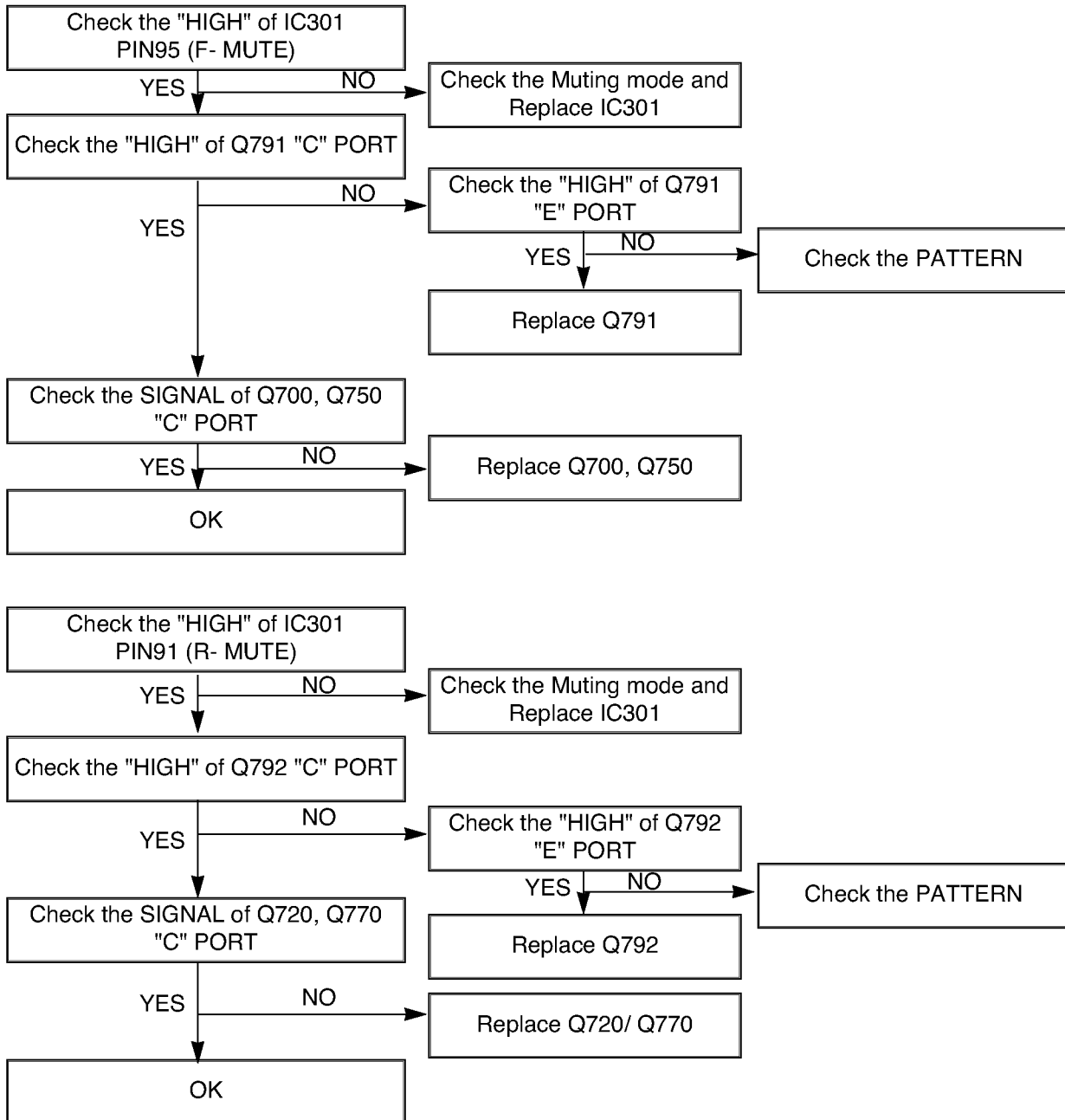


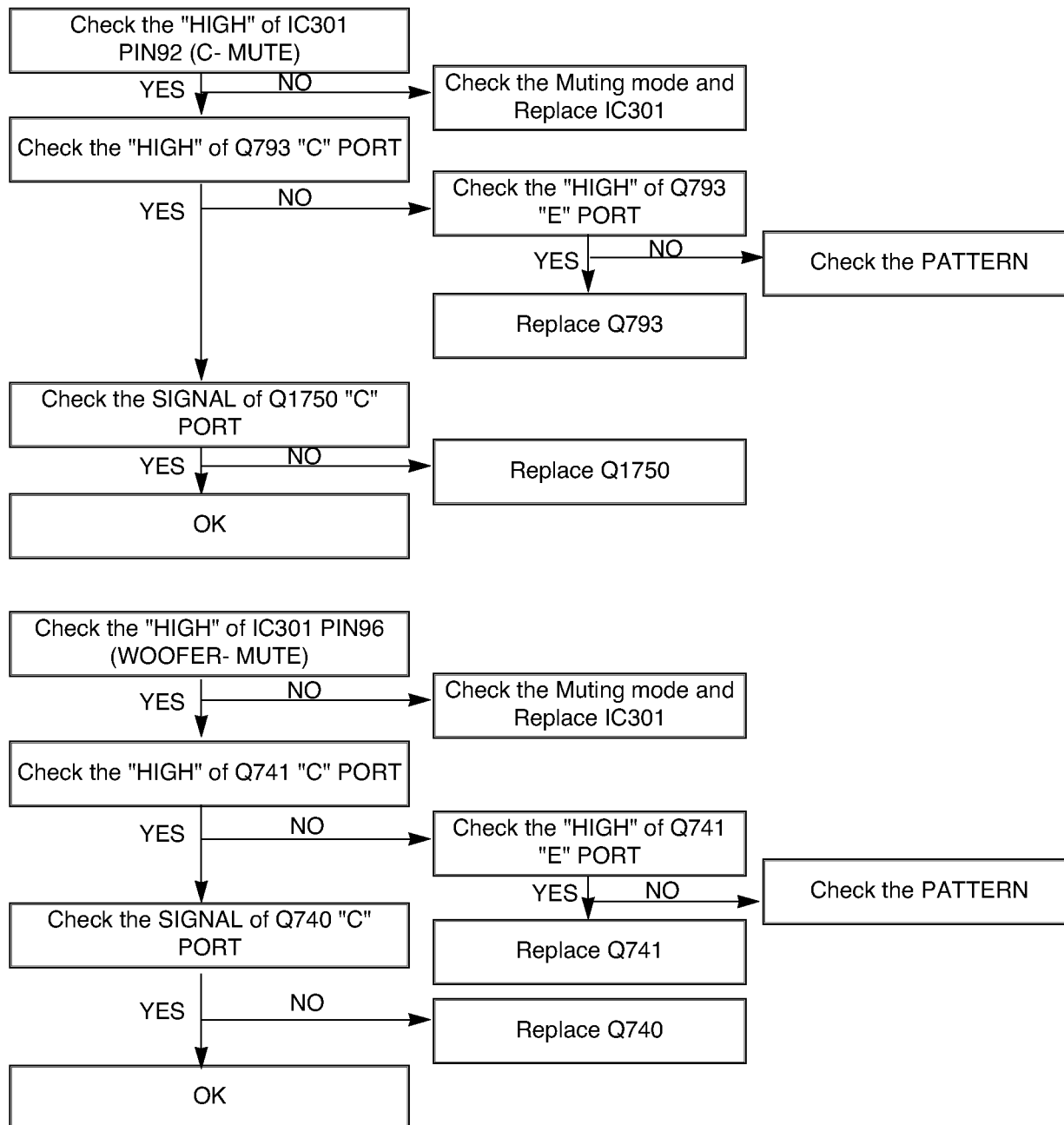
POWER CIRCUIT



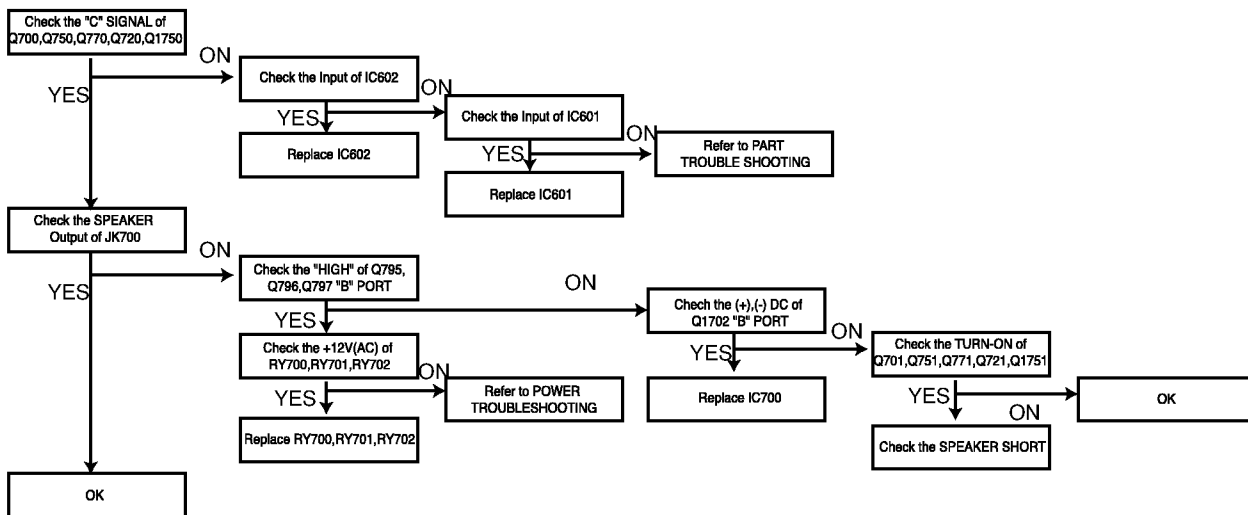


MUTING CIRCUIT (MUTE)

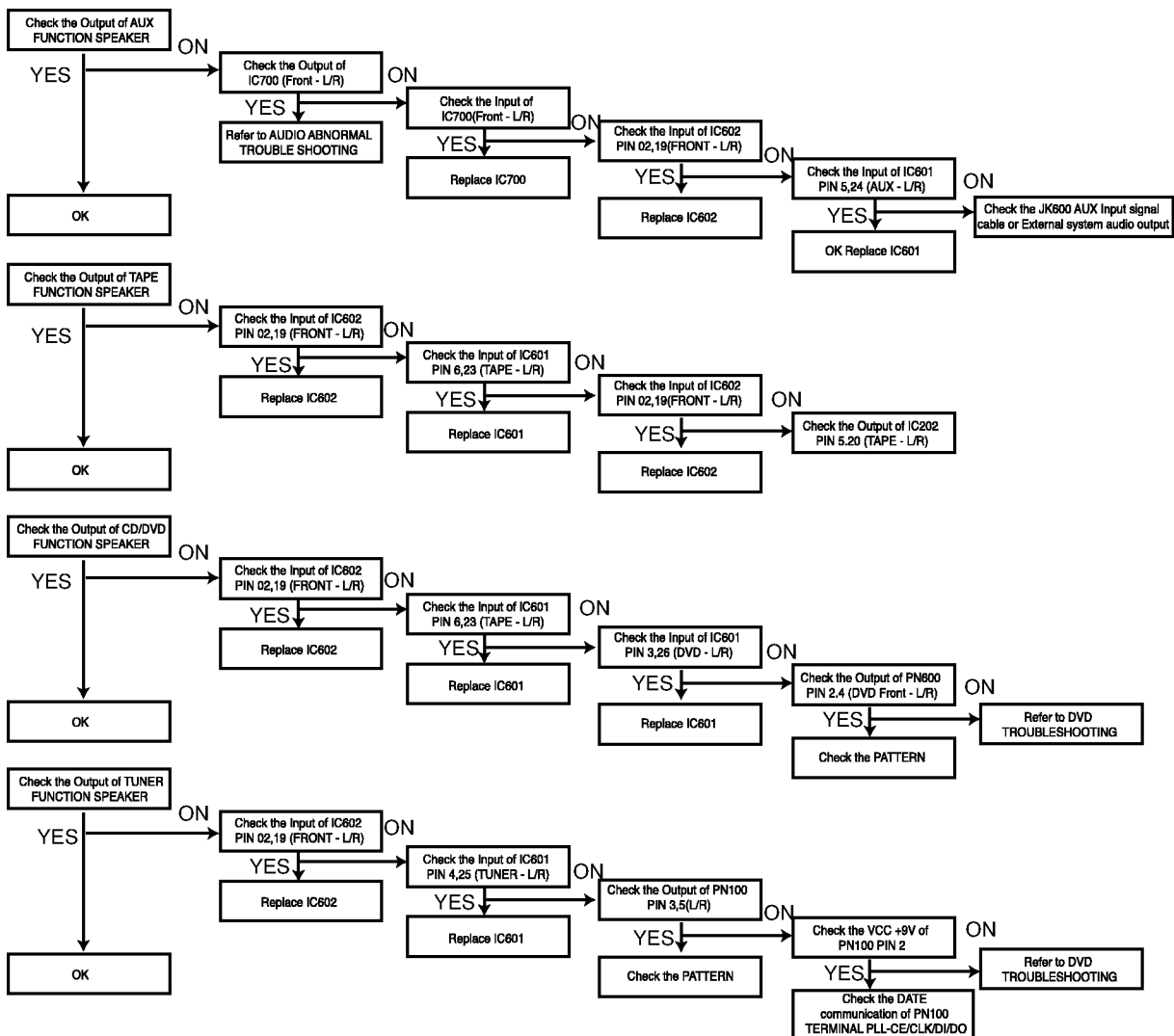




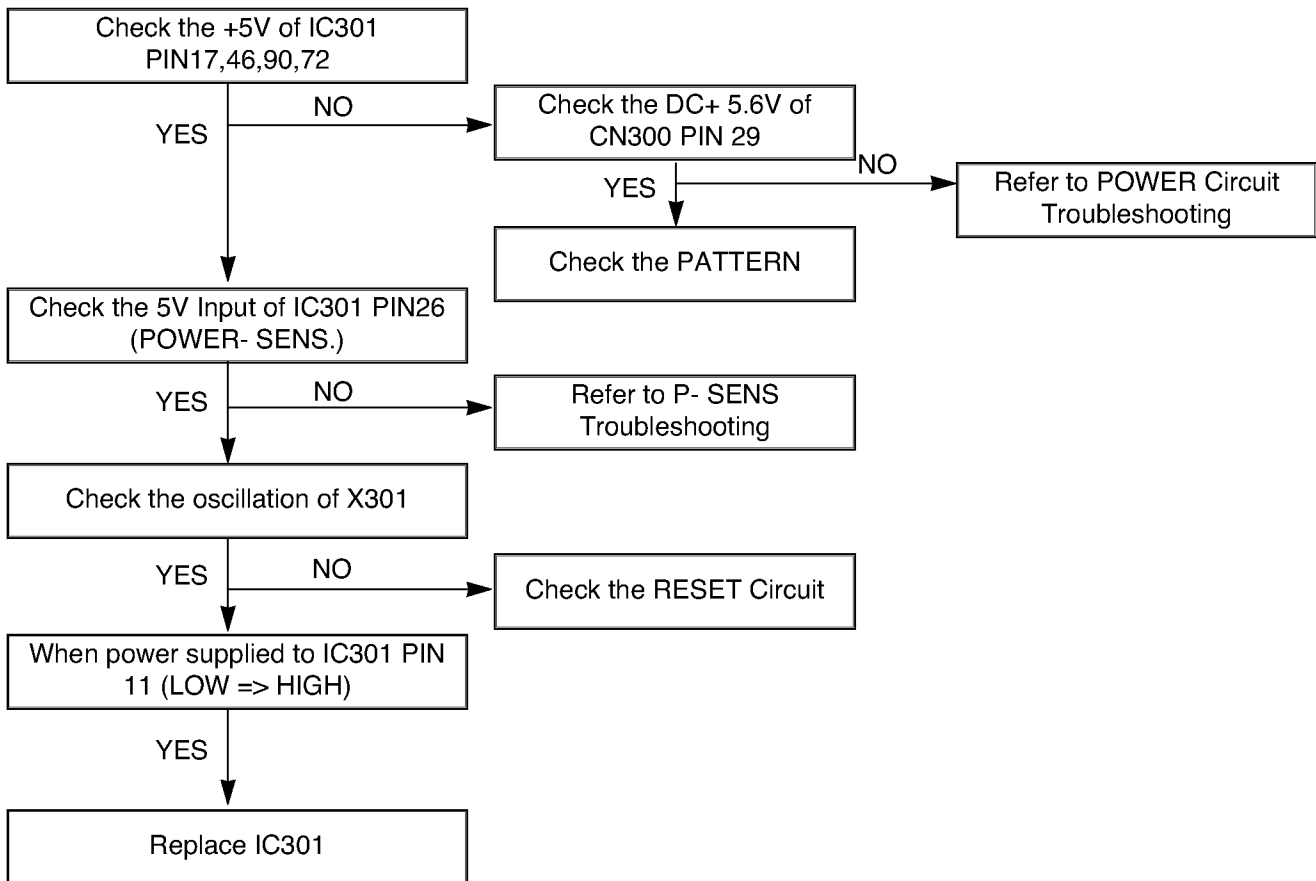
AUDIO ABNORMAL



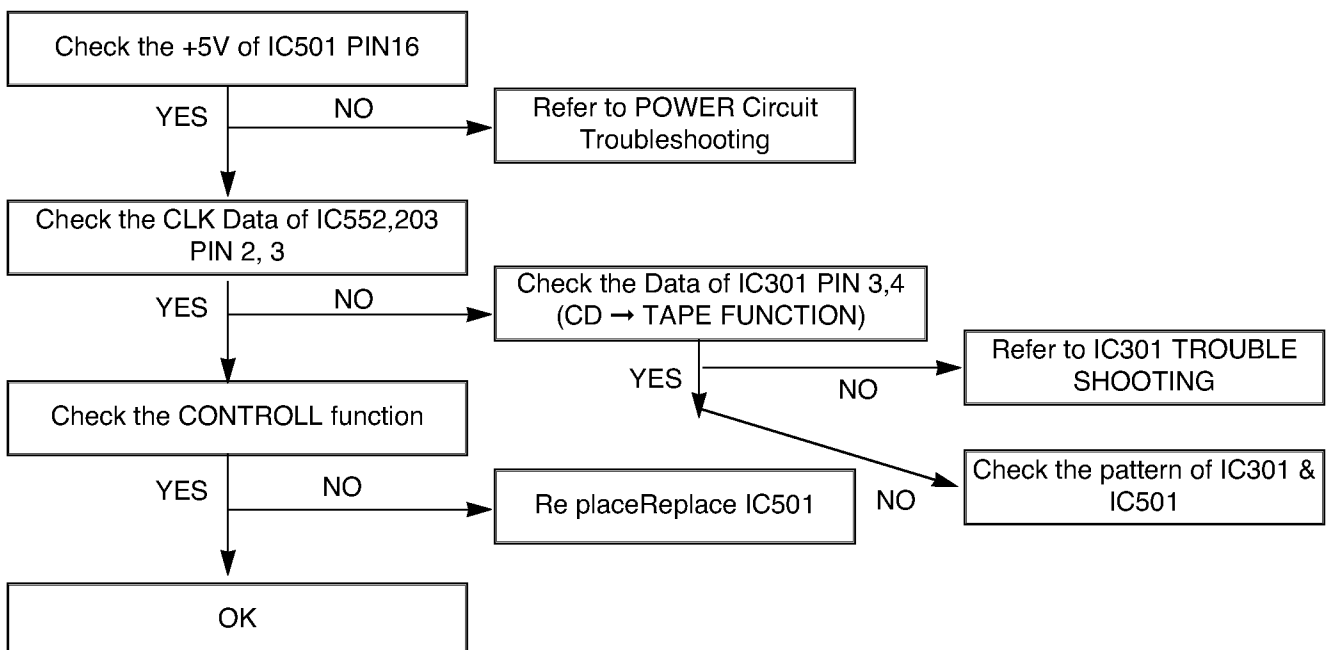
FUNCTION MODE AUDIO ABNORMAL



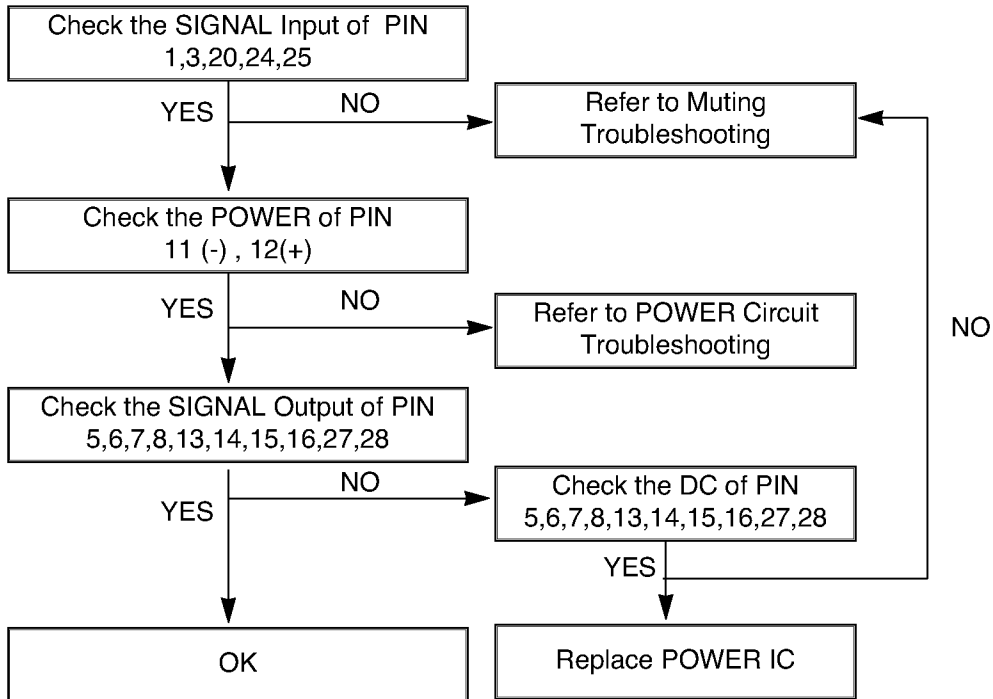
IC301 U- COM IC TROUBLESHOOTING



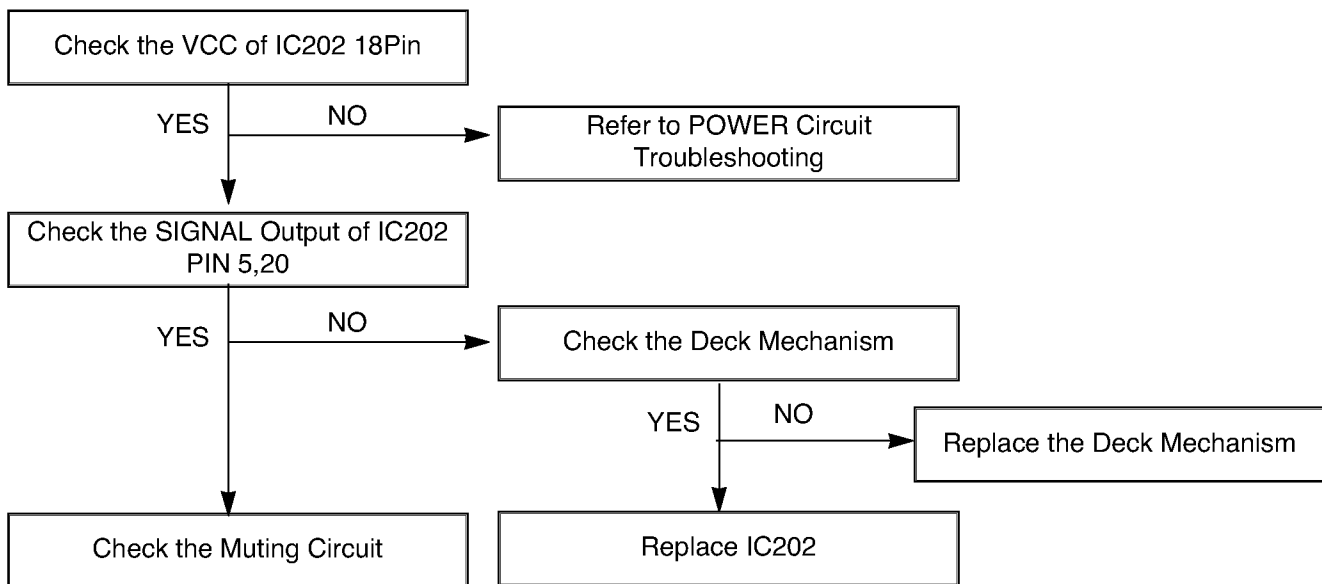
IC501(EXPENDER IC) TROUBLESHOOTING



IC700(AMP IC) TROUBLESHOOTING



PLAY

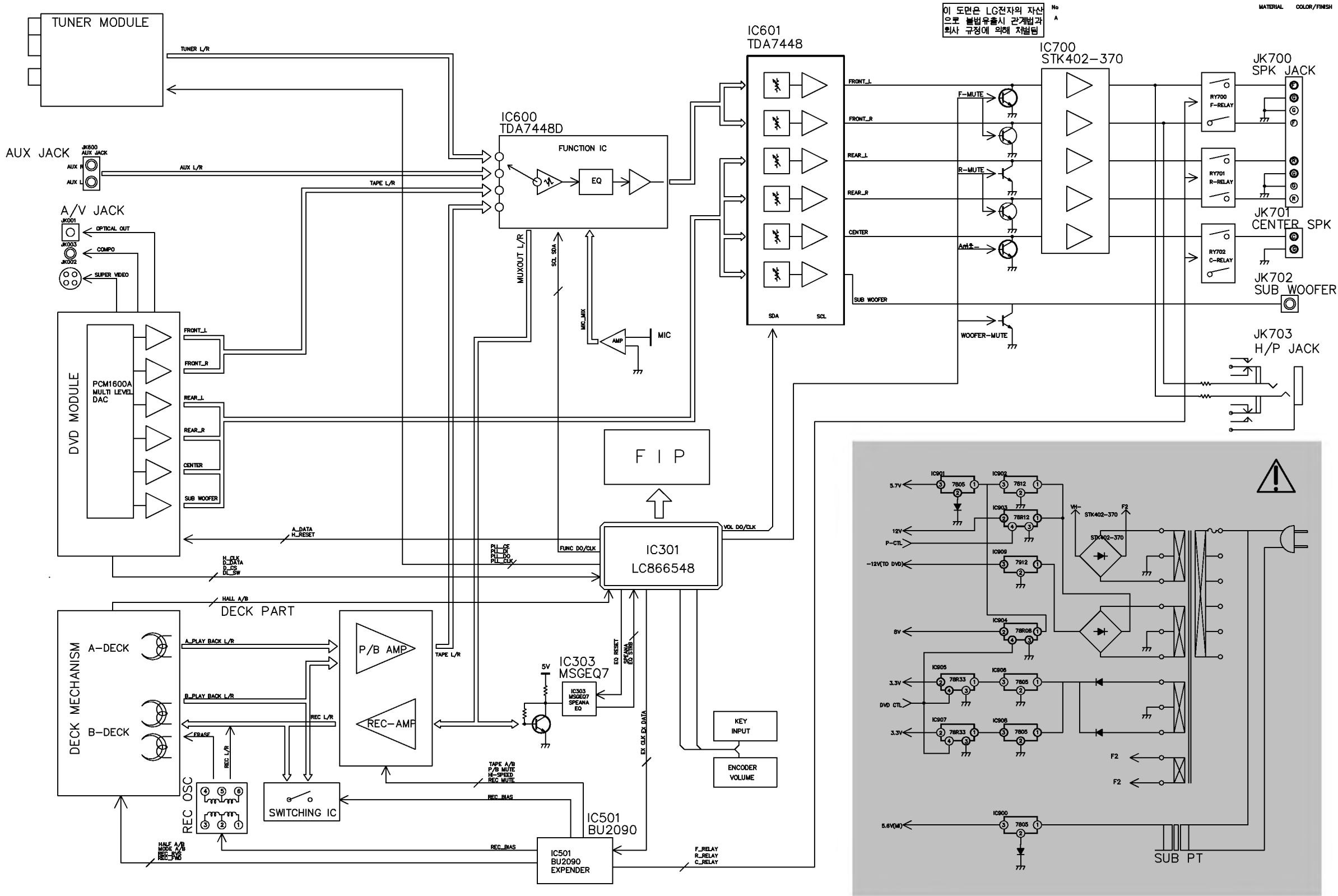


[illegible]

BLOCK DIAGRAM

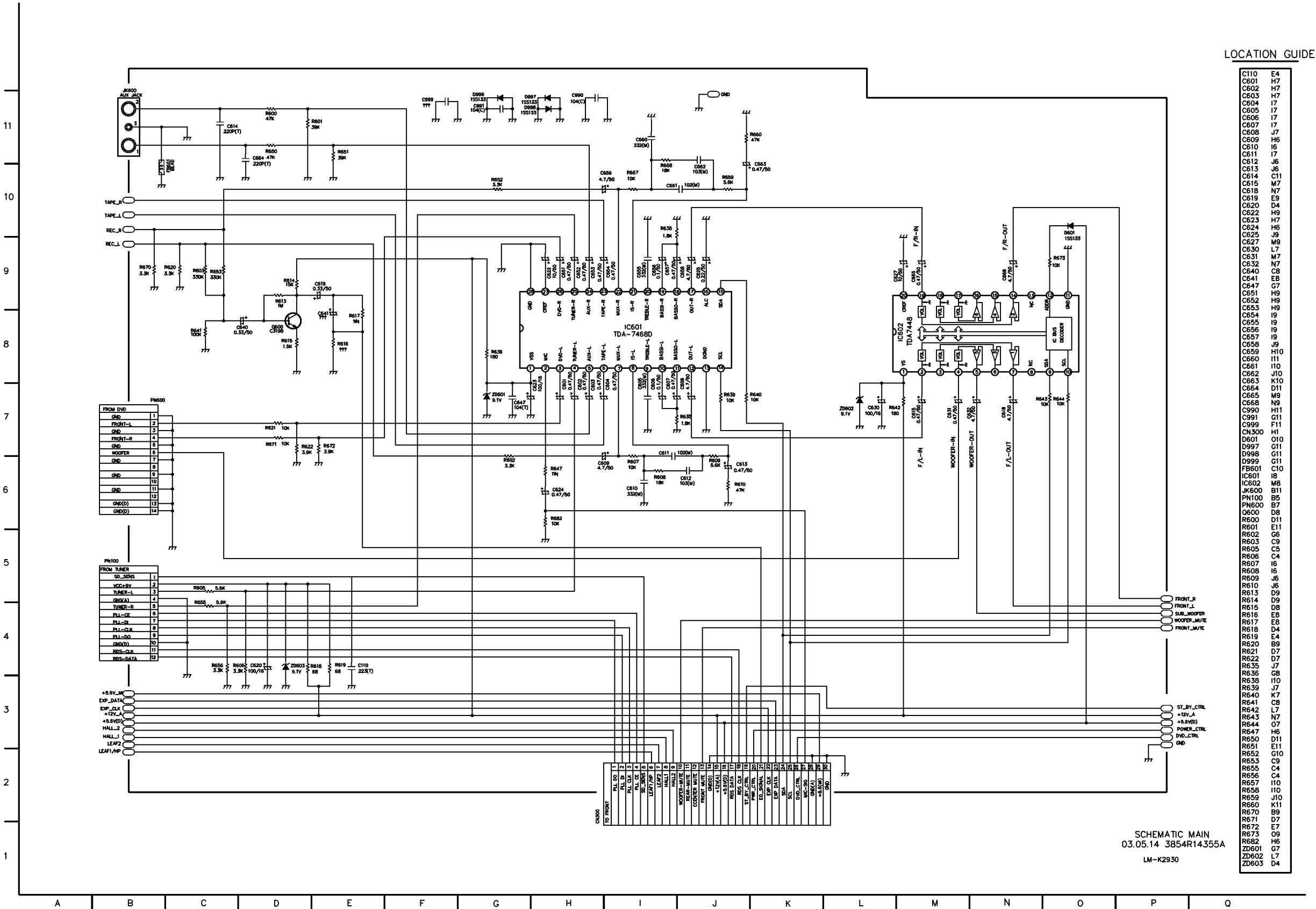
NOTE: Warning
Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmefer during Play mode.

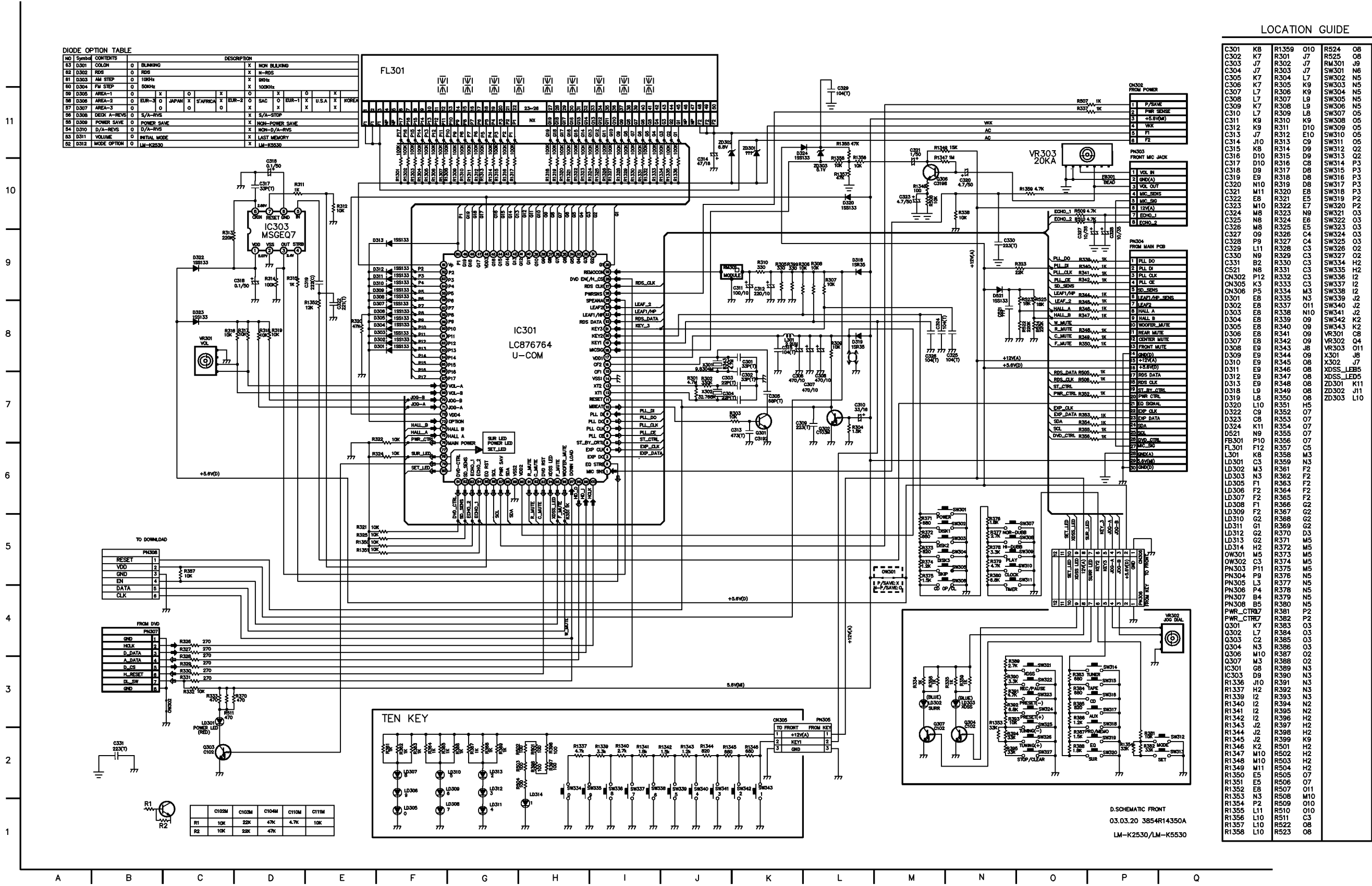


SCHEMATIC DIAGRAMS

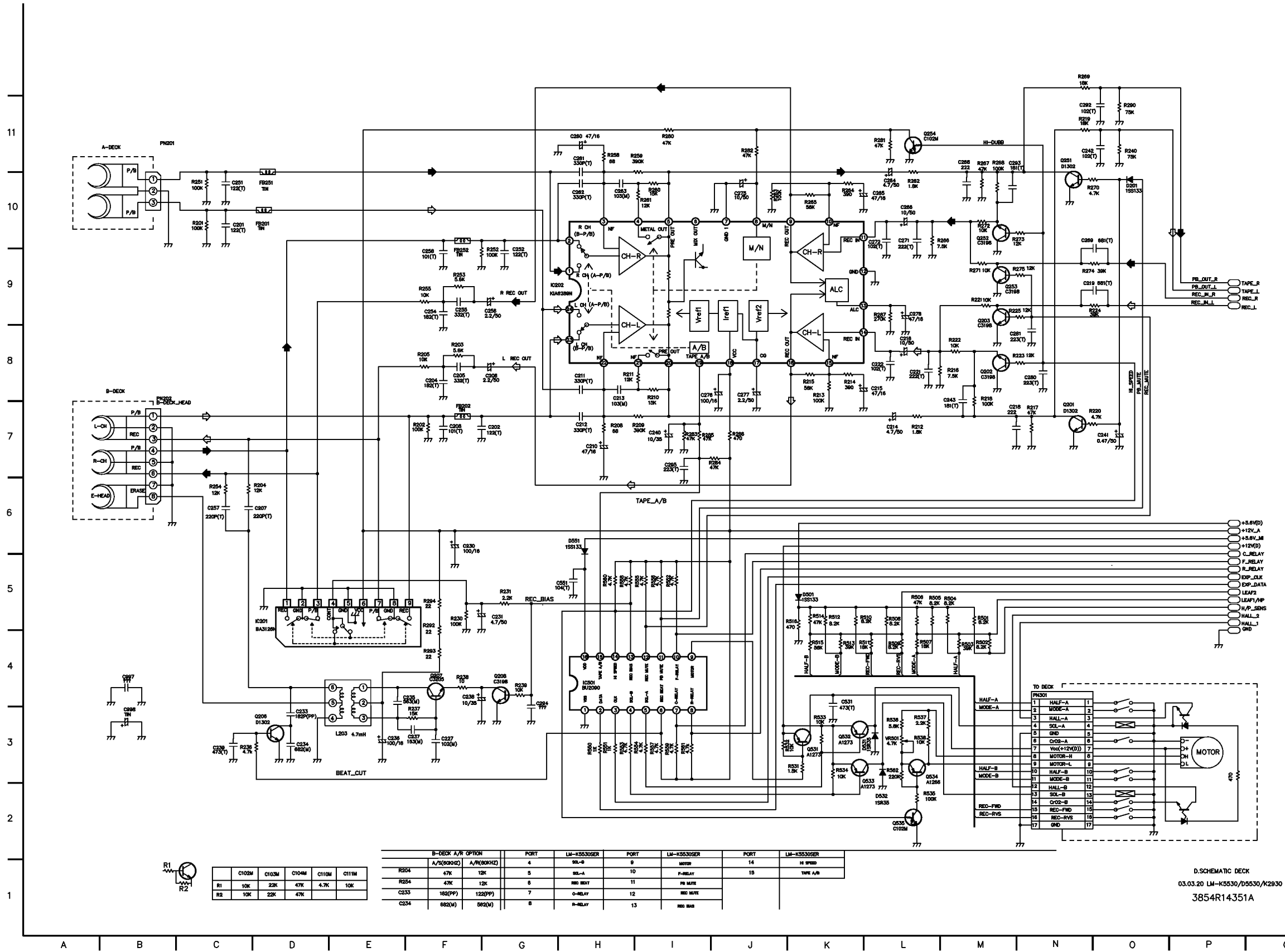
• MAIN SCHEMATIC DIAGRAM



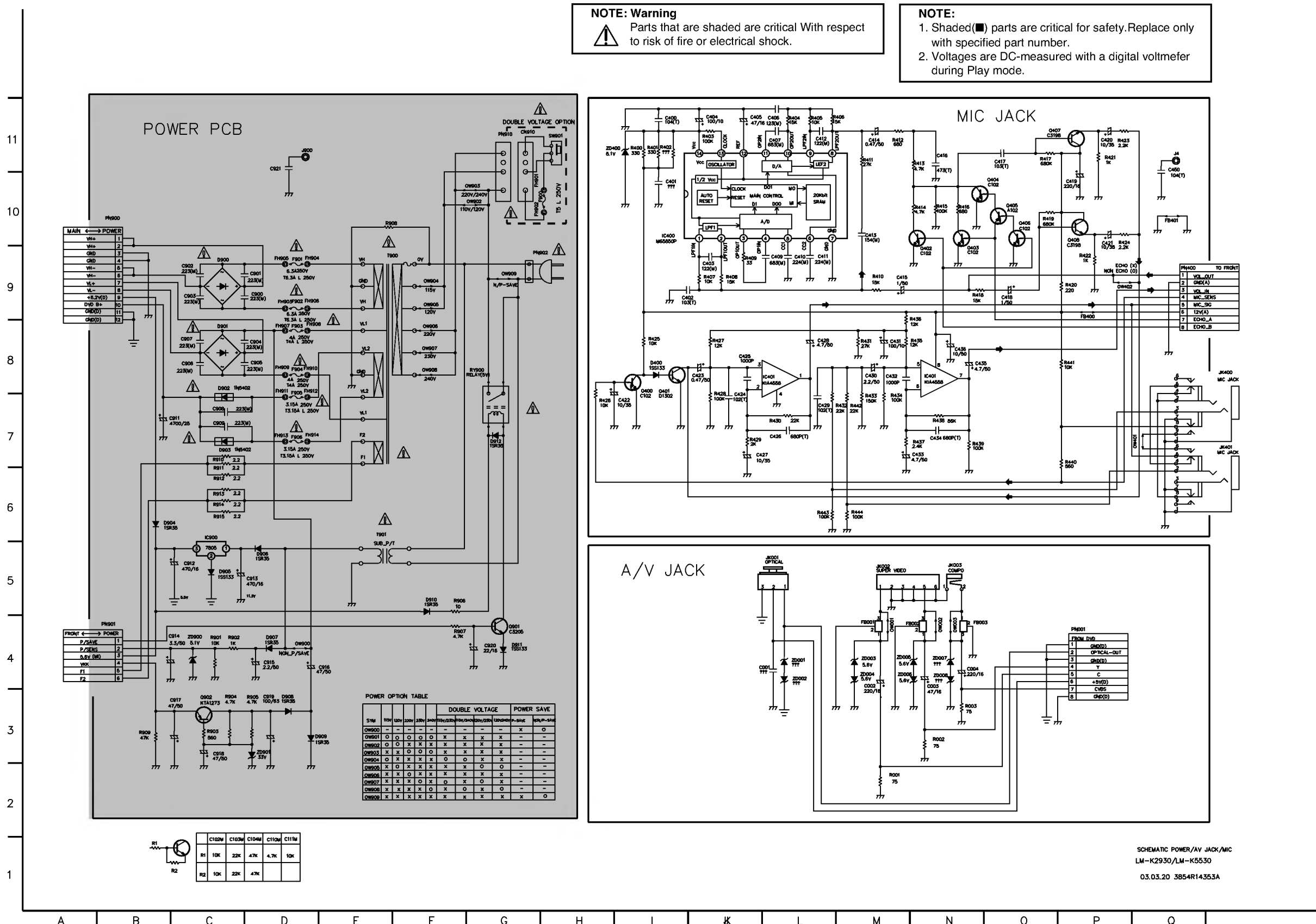
• FRONT SCHEMATIC DIAGRAM



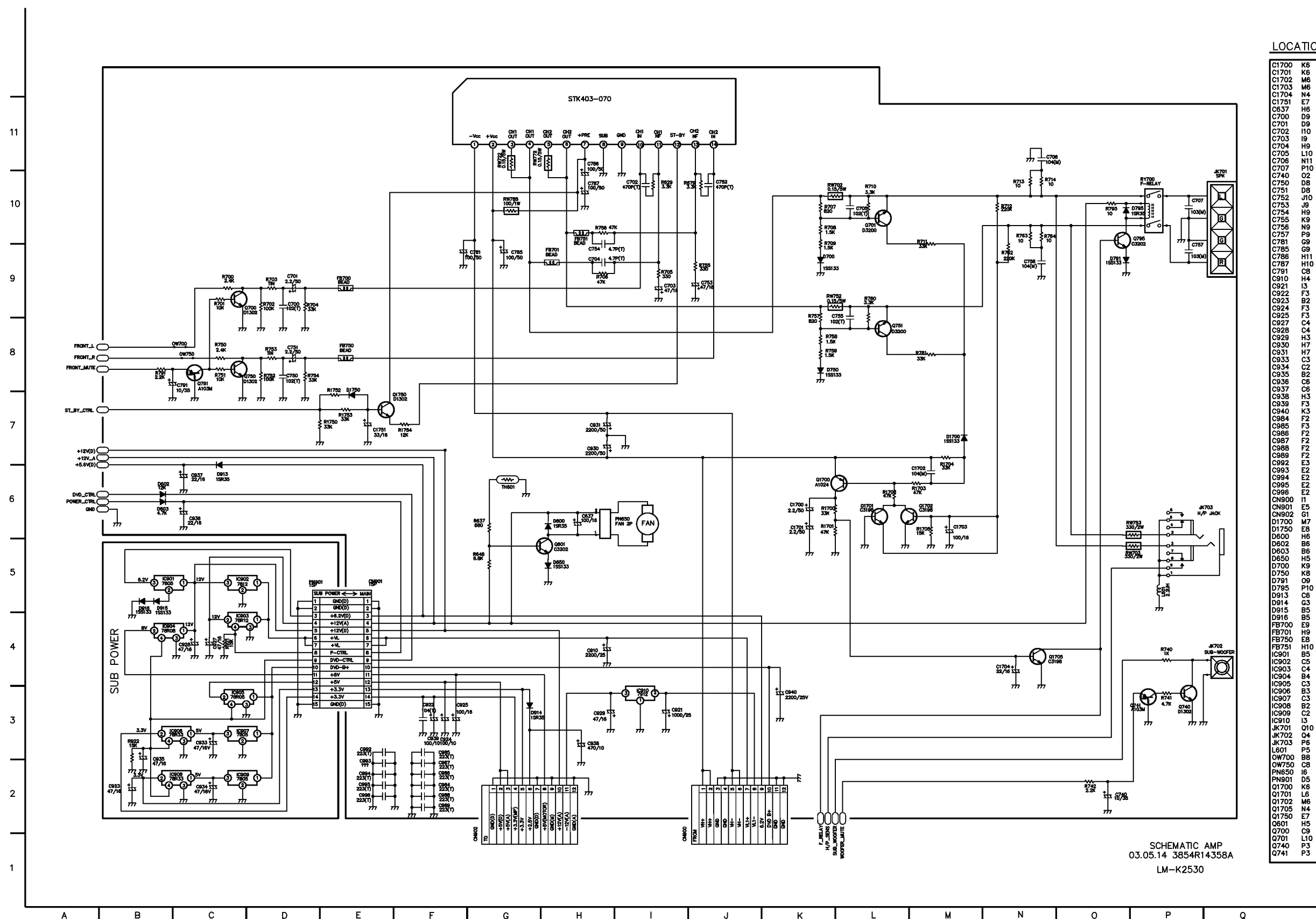
• DECK SCHEMATIC DIAGRAM



• POWER/AV JACK/MIC SCHEMATIC DIAGRAM



• AMP SCHEMATIC DIAGRAM

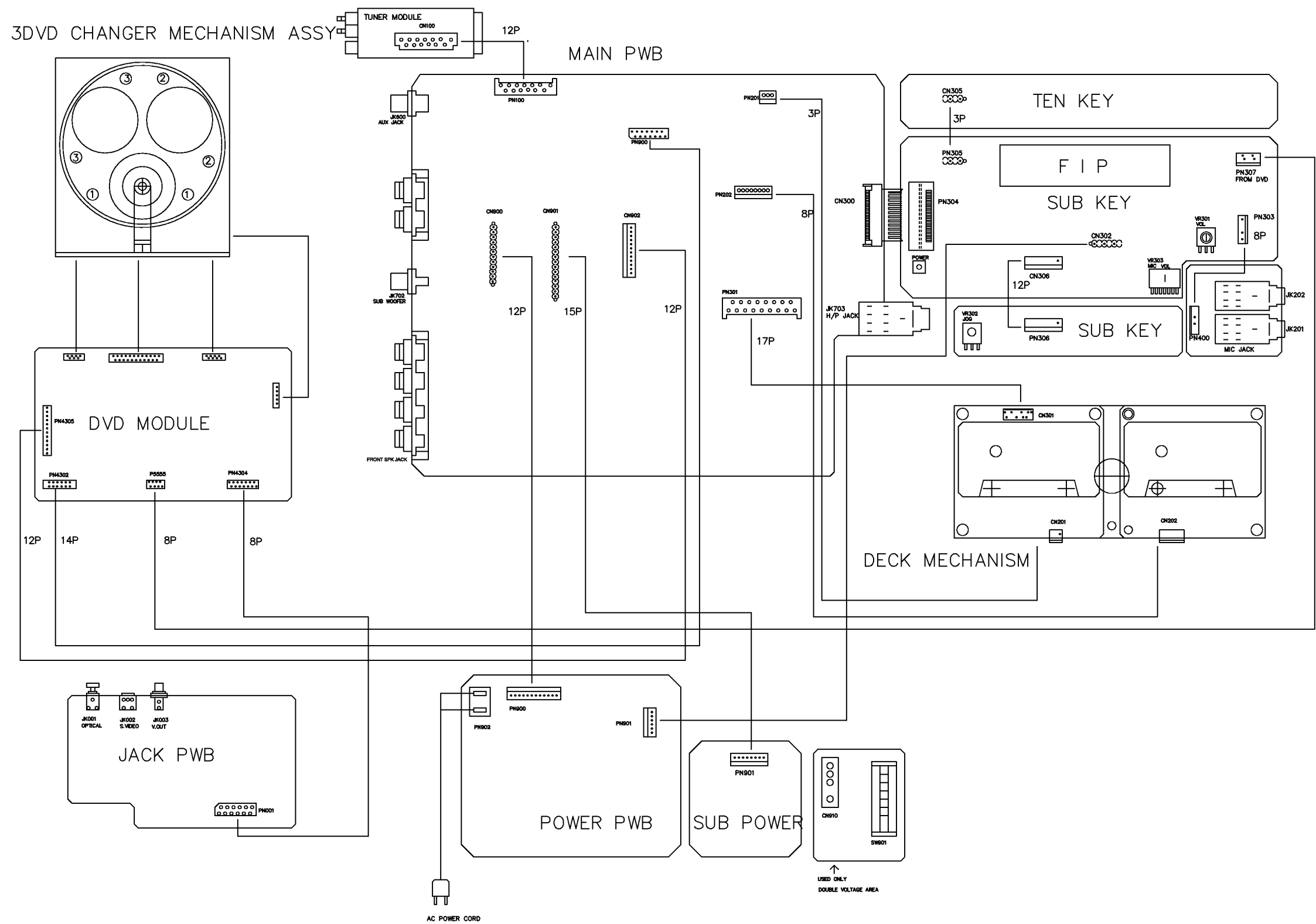


LOCATION GUIDE			
C1700	K6	Q750	C8
C1701	K6	Q751	L8
C1702	K6	Q752	C8
C1703	M6	Q755	P10
C1704	N4	R1700	K6
C1751	E7	R1701	K6
C1752	D9	R1702	L6
C700	D9	R1703	M6
C701	D9	R1704	M6
C704	H6	R1752	E7
C705	D9	R1753	E7
C706	N11	R1754	F7
C707	P10	R629	I10
C708	O2	R637	G6
C709	H6	R645	K6
C751	D8	R679	I10
C752	J10	R700	C9
C753	J10	R701	C9
C754	H9	R702	D9
C755	K9	R703	D9
C756	K9	R704	D9
C757	P9	R705	I9
C781	G9	R706	H9
C782	H11	R707	K10
C787	H10	R709	K9
C791	C8	R710	L10
C792	H10	R711	M10
C921	I3	R712	N10
C922	F3	R713	N10
C923	F3	R714	N10
C924	F3	R740	P4
C925	F3	R741	P3
C926	O2	R742	C2
C926	O4	R750	C8
C929	H3	R751	C8
C930	H7	R752	D8
C931	H7	R753	D8
C933	C3	R754	D8
C934	C2	R755	J9
C935	C2	R756	H10
C936	C6	R757	K9
C937	C6	R758	K8
C938	C6	R759	K8
C939	F3	R760	L8
C940	F3	R761	M8
C984	F7	R782	N9
C985	F7	R783	N10
C986	F2	R764	N10
C987	F2	R791	B8
C988	F2	R792	B8
C989	F2	R921	C4
C992	C3	R922	B3
C993	C2	RW002	I10
C994	E2	RW003	O5
C995	E2	RW222	G11
C996	E2	RW502	K9
C997	E2	RW503	O6
C998	E2	RW504	G11
C999	E2	RW505	G11
CN800	I1	R750	O10
CN801	E5	RW772	G11
CN802	G1	RW775	G11
CN803	H7	R700	C9
D1750	E8	TH601	O6
D600	H6		
D601	H6		
D603	B6		
D650	H5		
D651	H5		
D750	K8		
D791	O9		
D795	P10		
D800	H6		
E914	G3		
E915	B5		
E916	B5		
FB700	E9		
FB701	H9		
FB702	H9		
FB751	H10		
IC901	B5		
IC902	C5		
IC903	C5		
IC904	B4		
IC905	C3		
IC906	C3		
IC907	C3		
IC908	B2		
IC909	B2		
IC910	J3		
IC913	O10		
JK702	E2		
JK703	E2		
L601	P5		
L605	B6		
PN901	D5		
PN902	C6		
Q1701	L6		
Q1702	M6		
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Q701	L10		
Q740	P3		
Q741	P3		

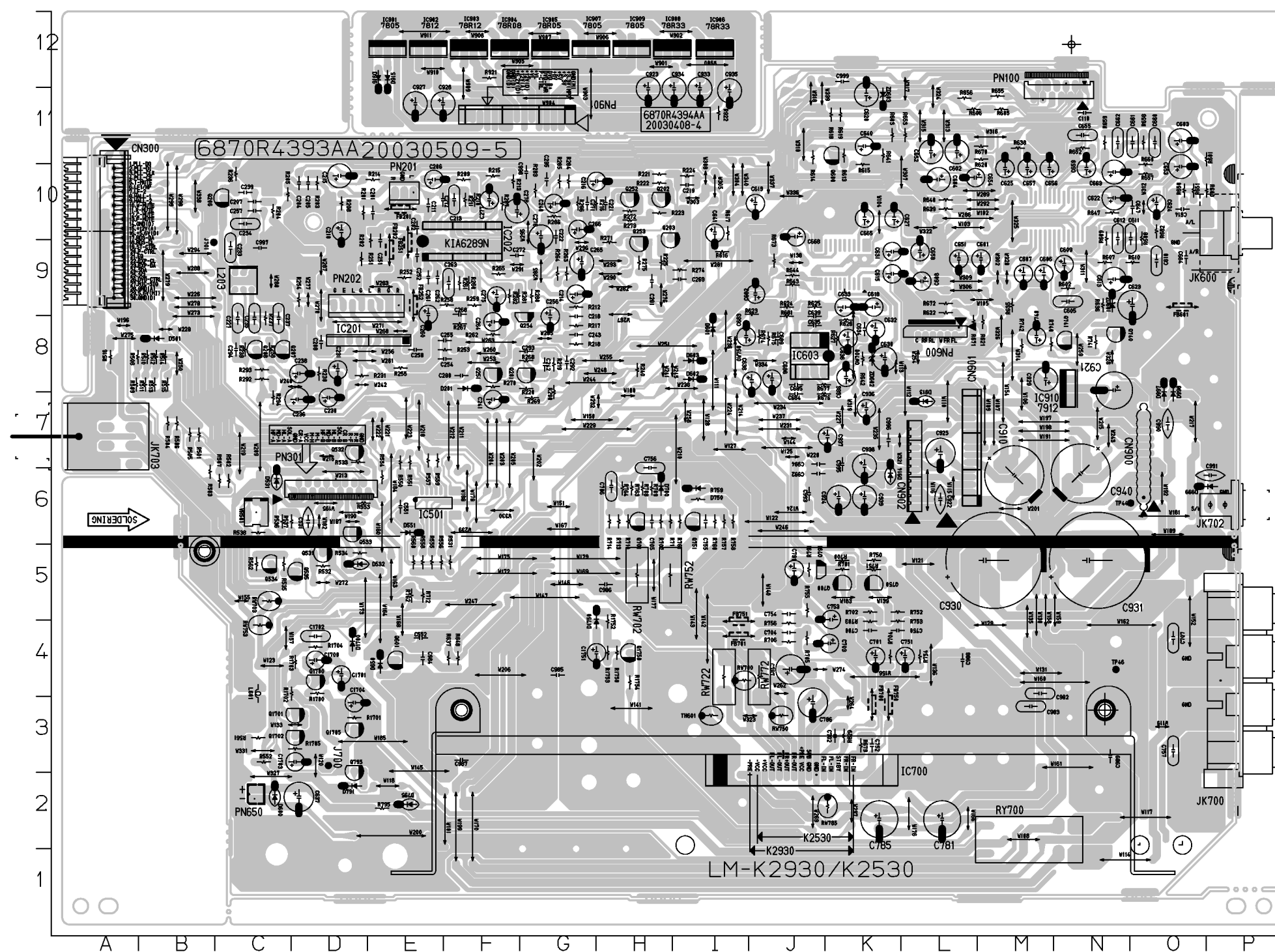
WIRING DIAGRAM

NOTE: Warning
Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.

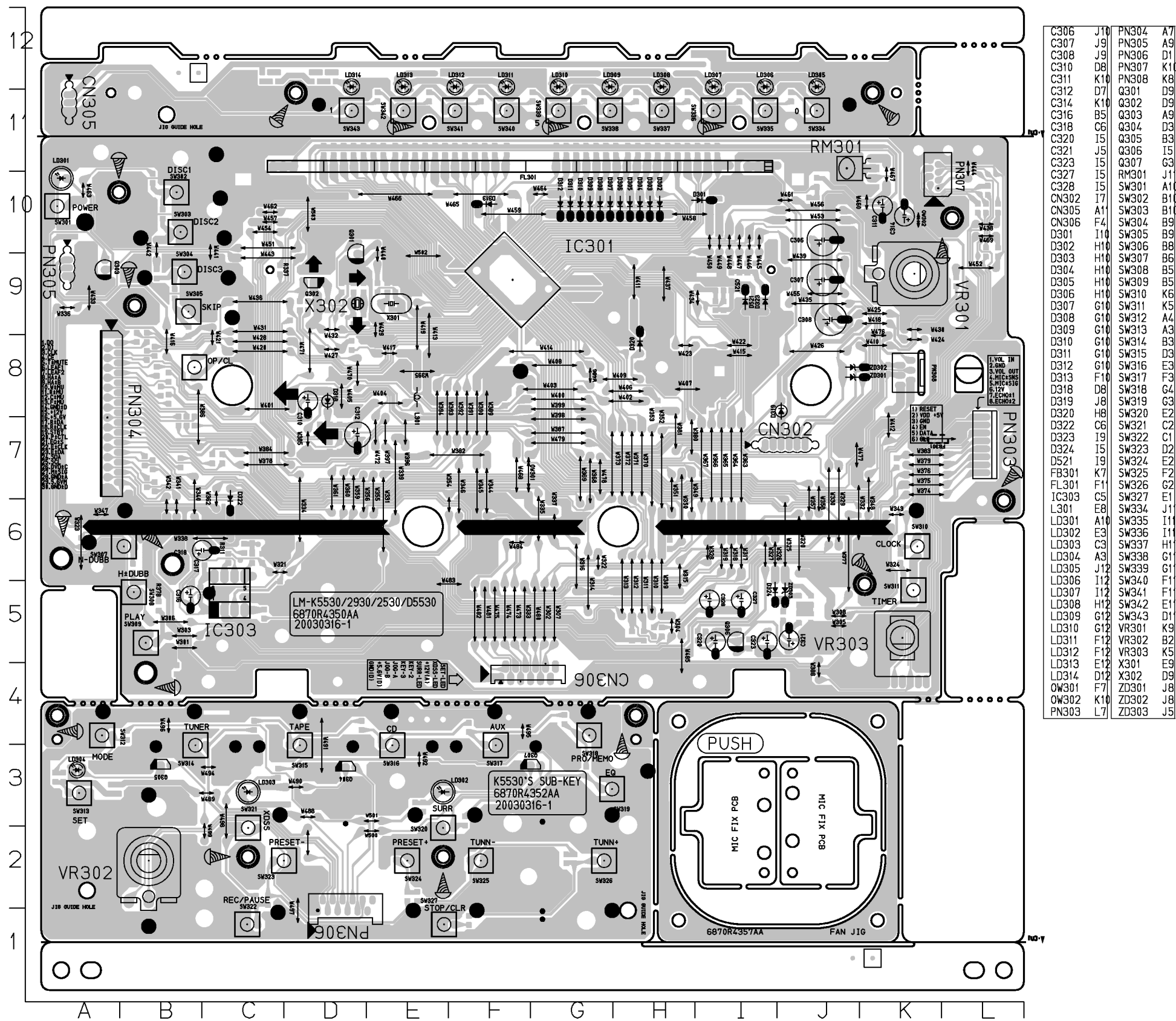


• **MAIN P.C. BOARD (COMPONENT SIDE)**

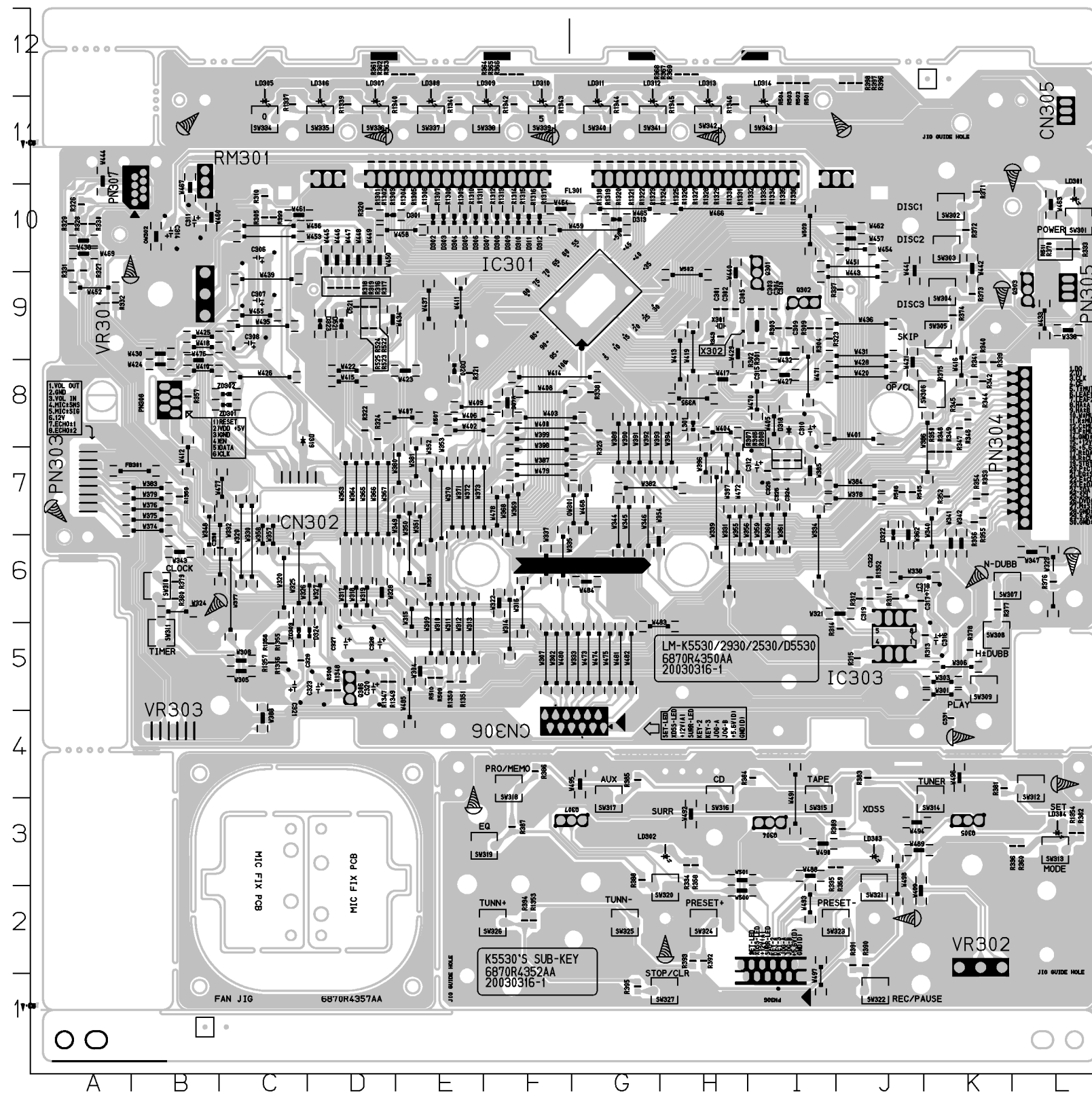


C110	N1	C607	H8	C321	N8	IC302	E12	R212	G9	R535	C5	R780	K3
C111	N1	C608	H8	C322	N8	IC302	E12	R212	G9	R535	C5	R780	K3
C1701	D4	C609	N8	C323	H1	IC303	E13	R213	F18	R537	D8	R702	K4
C1702	D4	C610	O9	C324	K6	IC904	F18	R215	F18	R538	C6	R703	K4
C1703	D3	C611	O18	C325	L7	IC905	E12	R216	H18	R550	E7	R704	K4
C1704	D3	C612	N18	C927	E1	IC906	I12	R217	G8	R551	E7	R705	J4
C1751	H4	C613	N9	C928	E1	IC907	I12	R218	G8	R552	C3	R706	J4
C201	E14	C614	O18	C929	H8	IC908	I11	R219	G8	R553	D6	R707	H6
C202	E14	C615	H18	C930	H18	IC909	H18	R220	H18	R554	D6	R708	H6
C203	E14	C616	K3	C931	N5	IC310	N8	H18	H18	R555	E5	R709	H6
C205	D14	C617	J19	C932	H1	J700	D3	R222	H18	R556	E5	R710	H6
C206	E14	C620	K1	C934	I11	J701	B9	R223	H18	R557	E7	R711	H6
C207	C16	C622	N18	C335	I11	K5600	P18	R224	I18	R558	E5	R712	E2
C208	D8	C623	O9	C936	K7	JK700	P4	R225	H9	R559	E7	R713	H6
C210	D14	C624	O18	C937	K7	JK702	P6	R230	D8	R560	E5	R714	H6
C211	E14	C625	M18	C938	H7	JK703	A7	R231	D8	R561	E5	R715	H6
C212	E14	C626	M18	C939	H7	JK704	A7	R232	D8	R562	C3	R716	H6
C213	F14	C630	K4	C940	N6	L601	C4	R236	C8	R600	P14	R742	M8
C214	G9	C631	K9	C982	M4	OW700	K8	R238	C8	R601	P1	R750	K5
C215	D18	C632	K8	C983	M3	OW750	L8	R239	C8	R602	N9	R751	K5
C216	H18	C633	K9	C984	E4	PN100	N1	R240	H8	R603	K1	R752	K5
C218	G8	C634	K8	C985	G4	PN201	E14	R241	E3	R605	M1	R753	K4
C219	I14	C635	H9	C986	H5	PN202	E9	R242	E3	R606	L7	R754	L4
C220	G8	C636	K3	C987	F8	PN203	E9	R243	F8	R607	N8	R755	J5
C222	G14	C637	D2	C988	L4	PN600	L8	R254	D9	R608	O18	R756	J4
C227	K8	C638	H8	C989	N3	PN650	C2	R255	E8	R609	N18	R757	16
C230	D7	C639	H8	C990	O7	PN901	G1	R258	F9	R610	O9	R758	16
C231	D8	C640	K1	C991	P6	Q1700	D4	R259	F9	R613	K1	R759	16
C233	G9	C641	I18	C992	J6	Q1701	D3	R260	F9	R614	J1	R760	16
C234	C14	C647	O18	C993	J6	Q1702	D3	R261	G8	R615	K1	R761	16
C236	D1	C648	O18	C994	J6	Q1703	D3	R262	F8	R616	J1	R762	16
C237	C8	C652	L1	C995	K7	Q1750	H4	R263	G9	R617	I18	R763	H6
C237	C8	C653	O18	C996	K7	Q201	G8	R264	G9	R618	K1	R764	H6
C238	D8	C654	L18	C997	C9	Q202	H18	R265	F9	R619	K1	R791	J5
C239	C14	C655	N1	C998	G18	Q203	H18	R266	G18	R620	M1	R795	E2
C240	G14	C656	M1	C999	K1	Q206	C18	R267	F8	R621	M8	R821	F12
C241	F7	C657	M18	CN300	A18	Q207	C8	R268	G8	R622	L3	R922	11
C242	G14	C658	N18	CN301	A18	Q208	C8	R269	G8	R623	L3	R923	11
C243	G8	C659	N18	L6	Q251	F8	T210	F8	R624	J9	RW700	14	
C251	E9	C660	O1	CN902	L6	Q252	H18	R271	H8	R625	J9	RW703	C5
C252	E9	C661	O1	D1700	D4	Q253	H9	R272	H18	R626	K8	RW722	14
C254	F8	C662	N1	D1750	H4	Q254	G8	R273	H18	R627	K8	RW750	J3
C255	F8	C663	N18	D201	F8	E631	O5	R274	I9	R629	K3	RW752	H5
C256	G8	C664	O9	D501	B8	E632	O7	R275	H9	R635	M8	RW753	K2
C257	G8	C665	H18	D502	B8	E633	O7	R276	H9	R636	M8	RW754	K2
C258	E8	C668	J19	D532	O5	E634	C5	R281	F9	R637	F4	R785	C4
C260	E9	C682	J9	D551	E6	E635	O5	R282	F9	R638	M1	R7700	M2
C261	E9	C683	L8	D600	C2	E600	K1	R283	G18	R639	L10	TH601	13
C262	E9	C684	J7	D601	L8	E601	E4	R284	G18	R640	L10	TP1	A1
C263	F9	C685	H8	D602	L8	Q700	K5	R285	G18	R641	K1	TP14	B9
C264	F8	C686	K8	D603	L8	Q701	H6	R286	G18	R642	K8	TP15	B8
C265	H8	C687	H9	D604	L8	Q702	H9	R287	J9	R643	J9	TP16	B8
C266	G14	C688	H8	D700	H6	Q741	N8	D700	F7	R644	J9	TP3	B1
C268	F9	C700	K4	D750	L6	Q750	K5	R292	C8	R647	N18	TP30	L1
C269	J9	C701	K4	D791	D2	Q751	L6	R293	C8	R648	F4	TP32	J1
C271	G14	C702	K3	D795	E2	Q791	J5	R294	C7	R650	O18	TP33	J1
C272	F9	C703	K4	D913	L7	Q795	O3	R501	B7	R651	O18	TP34	J1
C275	F9	C704	J4	D914	K6	R1700	D4	R502	G6	R652	N1	TP35	J12
C276	G14	C705	H6	D915	E4	R1701	D4	R503	B7	R653	O18	TP36	J1
C277	F14	C706	H6	D916	E14	R1702	D4	R504	B7	R655	M1	TP4	B1
C278	F14	C707	O4	D997	O7	R1703	D4	R505	B7	R656	L1	TP42	N7
C280	F8	C740	M8	D998	O7	R1704	D4	R506	B7	R657	O18	TP44	O6
C281	H9	C750	K4	D999	P6	R1705	D3	R507	G6	R658	O1	TP45	N4
C232	G8	C751	L4	FB201	N1	R1705	H4	R508	A8	R659	N1	TP5	B14
C233	G8	C752	K3	FB202	E9	R1752	H4	R509	A8	R660	O18	TP6	B14
C234	G8	C753	K3	FB251	E9	R1753	H4	R510	A8	R670	M1	TP7	B14
C235	G8	C754	K3	FB252	E9	R1754	H4	R511	A8	R671	L8	TP8	B14
C236	G14	C755	L6	FB601	O9	R201	D1	R512	B8	R672	L9	TP9	B1
C531	E6	C756	H6	FB700	K3	R202	O9	R513	B8	R673	J9	VR501	C6
C552	E4	C757	O3	FB701	L4	R203	O18	R514	B8	R674	J8	ZD601	N9
C601	M9	C781	L2	FB750	K3	R204	C18	R515	B8	R675	J8	ZD602	K9
C602	L1	C785	K2	FB751	L4	R205	C18	R516	A8	R676	J7	ZD603	K1
C603	G14	C786	J3	IC201	E9	R206	F14	R517	E5	R677	O18	ZD604	K3
C604	G14	C787	L1	IC202	E9	R207	F14	R518	E5	R678	O18	ZD605	K3
C605	N9	C791	J5	IC603	H8	R210	F14	R533	D7	R681	J8		
C606	M9	C910	M6	IC700	K2	R211	F14	R534	D5	R682	O18		

• FRONT P.C. BOARD (COMPONENT SIDE)



• FRONT P.C. BOARD(SOLDER SIDE)



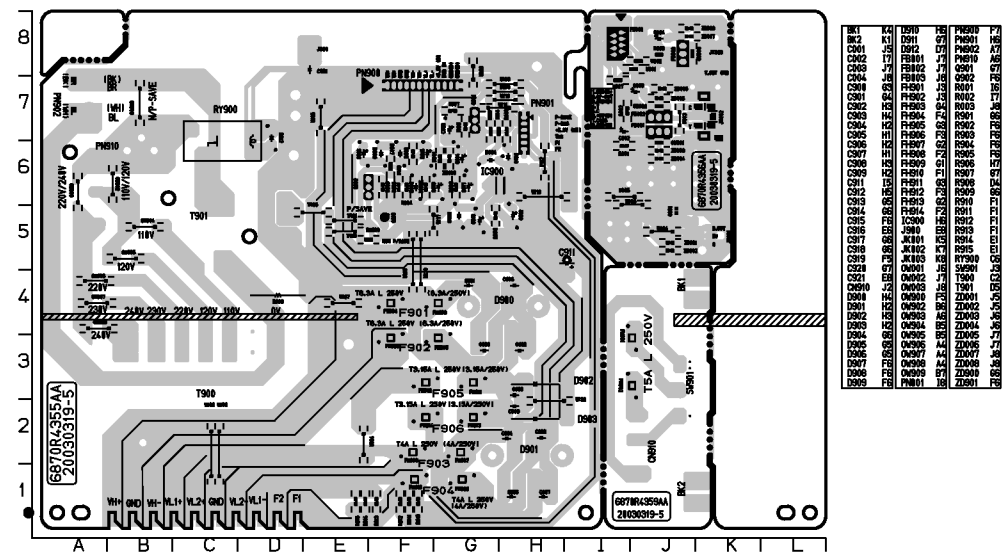
C301	H9	R1347	D5	R352	K7
C302	H9	R1348	D5	R353	K7
C303	19	R1349	D5	R354	K7
C304	19	R1350	E5	R355	K7
C305	H9	R1351	E5	R356	K7
C309	19	R1352	J6	R357	B8
C313	19	R1353	F2	R358	H3
C315	18	R1354	L3	R359	J5
C317	J6	R1355	C5	R360	D12
C319	J6	R1356	C5	R361	D12
C322	J6	R1357	C5	R362	D12
C324	17	R1358	C5	R363	D12
C325	17	R1359	B7	R364	F12
C326	17	R301	19	R365	F12
C329	C5	R302	19	R366	F12
C330	C6	R303	19	R367	H12
C331	K4	R304	19	R368	H12
C521	D9	R305	C10	R369	H12
IC301	G9	R306	17	R370	L10
R1301	D1	R307	17	R371	K10
R1302	D1	R308	17	R372	K10
R1303	D1	R309	19	R373	K9
R1304	E1	R310	C10	R374	K9
R1305	E1	R311	J6	R375	K9
R1306	E1	R312	J6	R376	L6
R1307	E1	R313	K5	R377	K6
R1308	E1	R314	J5	R378	K5
R1309	E1	R315	J5	R379	B6
R1310	E1	R316	D9	R380	B6
R1311	E1	R317	D9	R381	K4
R1312	F1	R318	D9	R382	L3
R1313	F1	R319	D9	R383	J4
R1314	F1	R320	D10	R384	G4
R1315	F1	R321	E8	R385	14
R1316	F1	R322	D8	R386	F4
R1317	F1	R323	19	R387	F3
R1318	G1	R324	D8	R388	G3
R1319	G1	R325	G8	R389	J3
R1320	G1	R326	A10	R390	J2
R1321	G1	R327	A10	R391	J2
R1322	G1	R328	A10	R392	H2
R1323	G1	R329	A10	R393	H2
R1324	H1	R330	A10	R394	F2
R1325	H1	R331	A10	R395	G1
R1326	H1	R332	A9	R396	J12
R1327	H1	R333	L10	R397	J12
R1328	H1	R334	H3	R398	J12
R1329	H1	R335	13	R399	C10
R1330	H1	R336	L3	R501	112
R1331	H1	R337	J9	R502	112
R1332	11	R338	G8	R503	112
R1333	11	R339	K8	R504	112
R1334	11	R340	K8	R505	112
R1335	11	R341	K8	R506	J7
R1336	11	R342	K8	R507	E8
R1337	C1	R343	H9	R508	D5
R1339	D1	R344	K8	R509	E5
R1340	E1	R345	K8	R510	E5
R1341	E1	R346	K8	R511	L10
R1342	F1	R347	K8	R522	D9
R1343	F1	R348	K7	R523	D9
R1344	G1	R349	K7	R524	D9
R1345	H1	R350	K7	R525	D9
R1346	H1	R351	E6		

• Power P.C. BOARD

NOTE: Warning

⚠

Parts that are shaded are critical With respect to risk of fire or electrical shock.

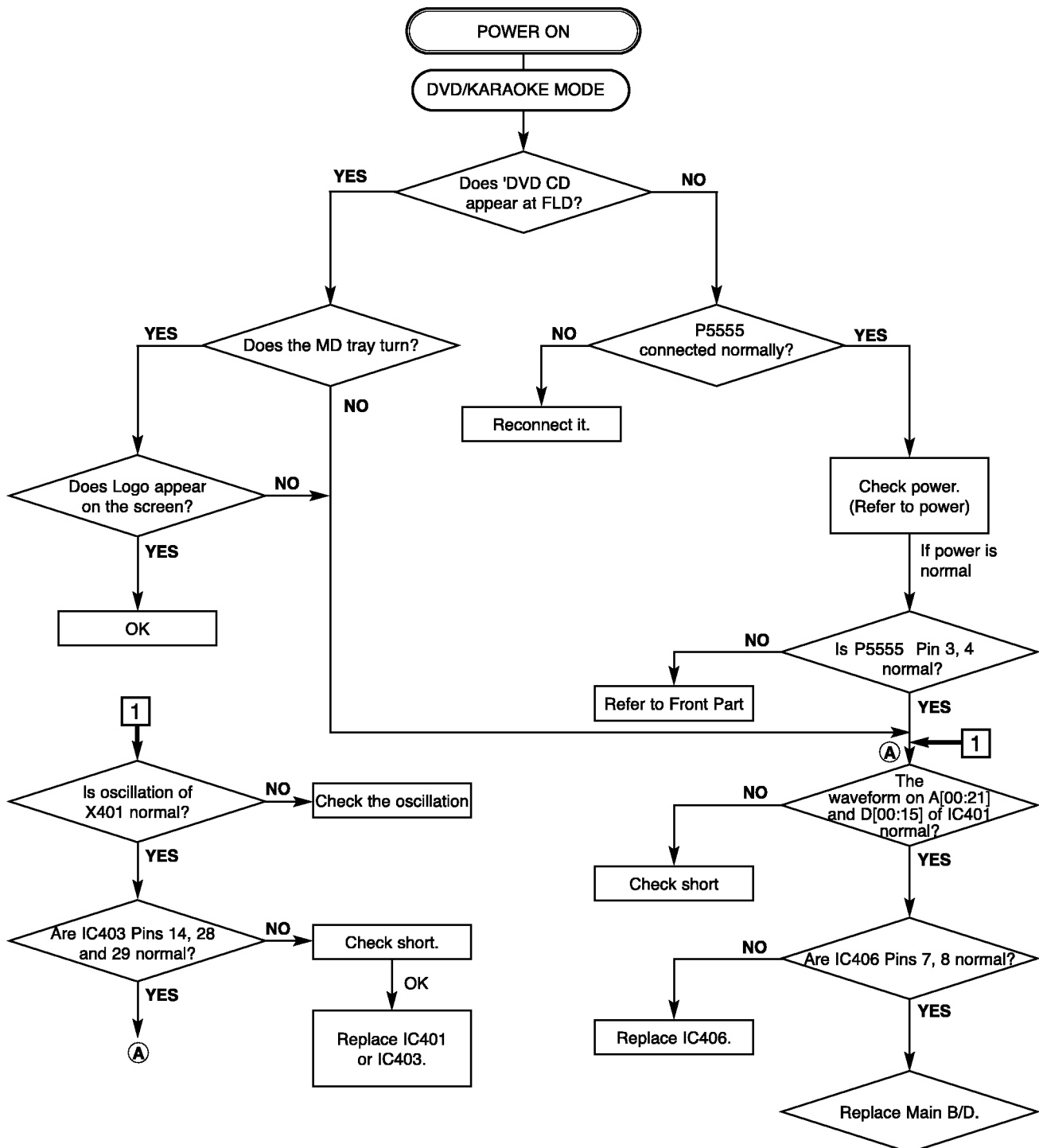


SECTION 3. DVD KARAOKE PART

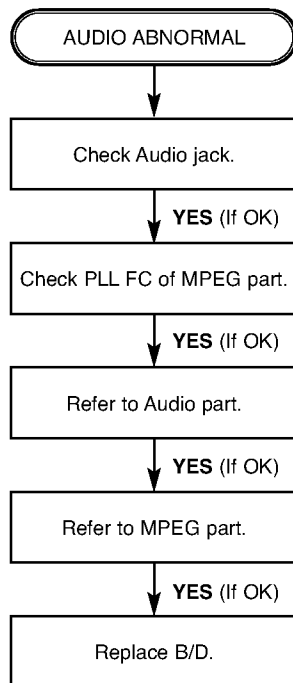
KARAOKE TROUBLESHOOTING

• Power (SMPS) Circuit

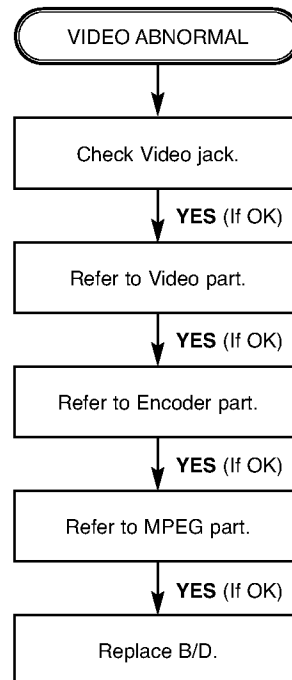
A. No Power



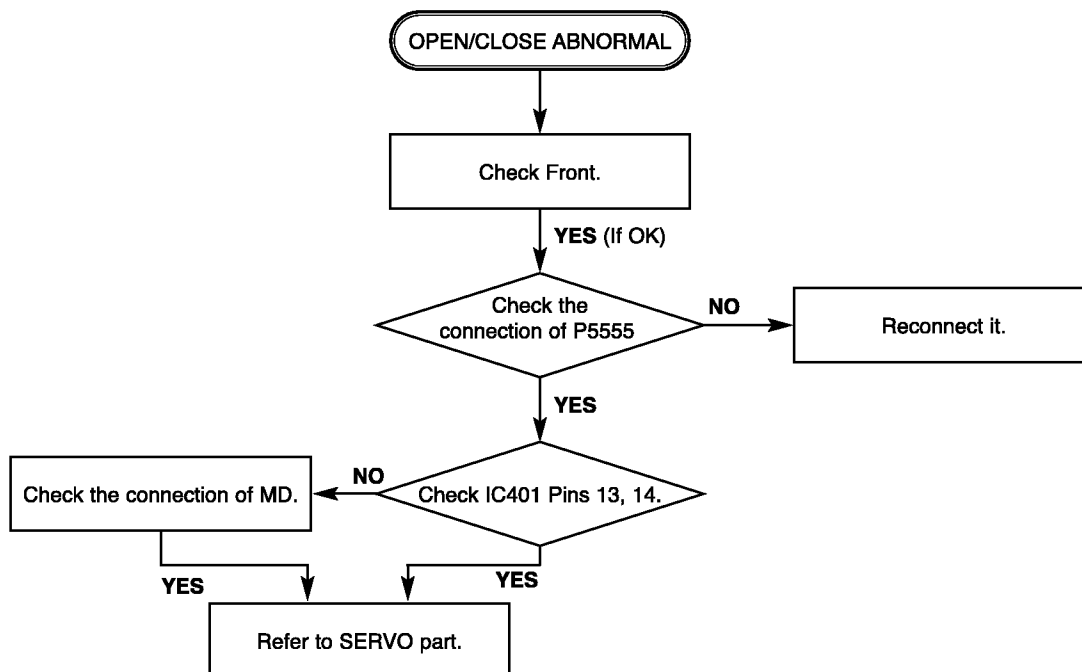
B. Audio abnormal



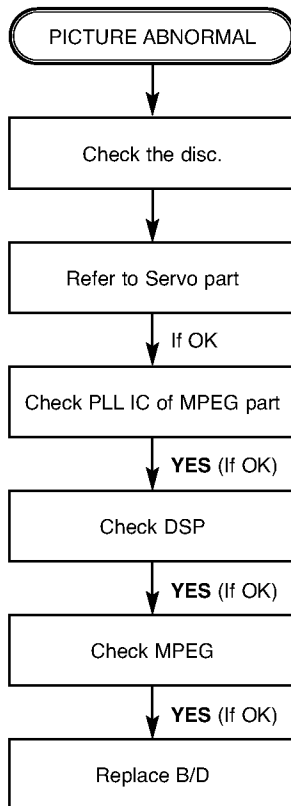
C. Video abnormal



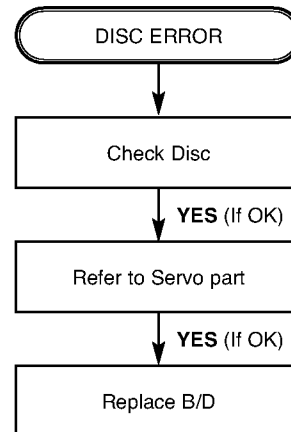
C. Open/Close abnormal



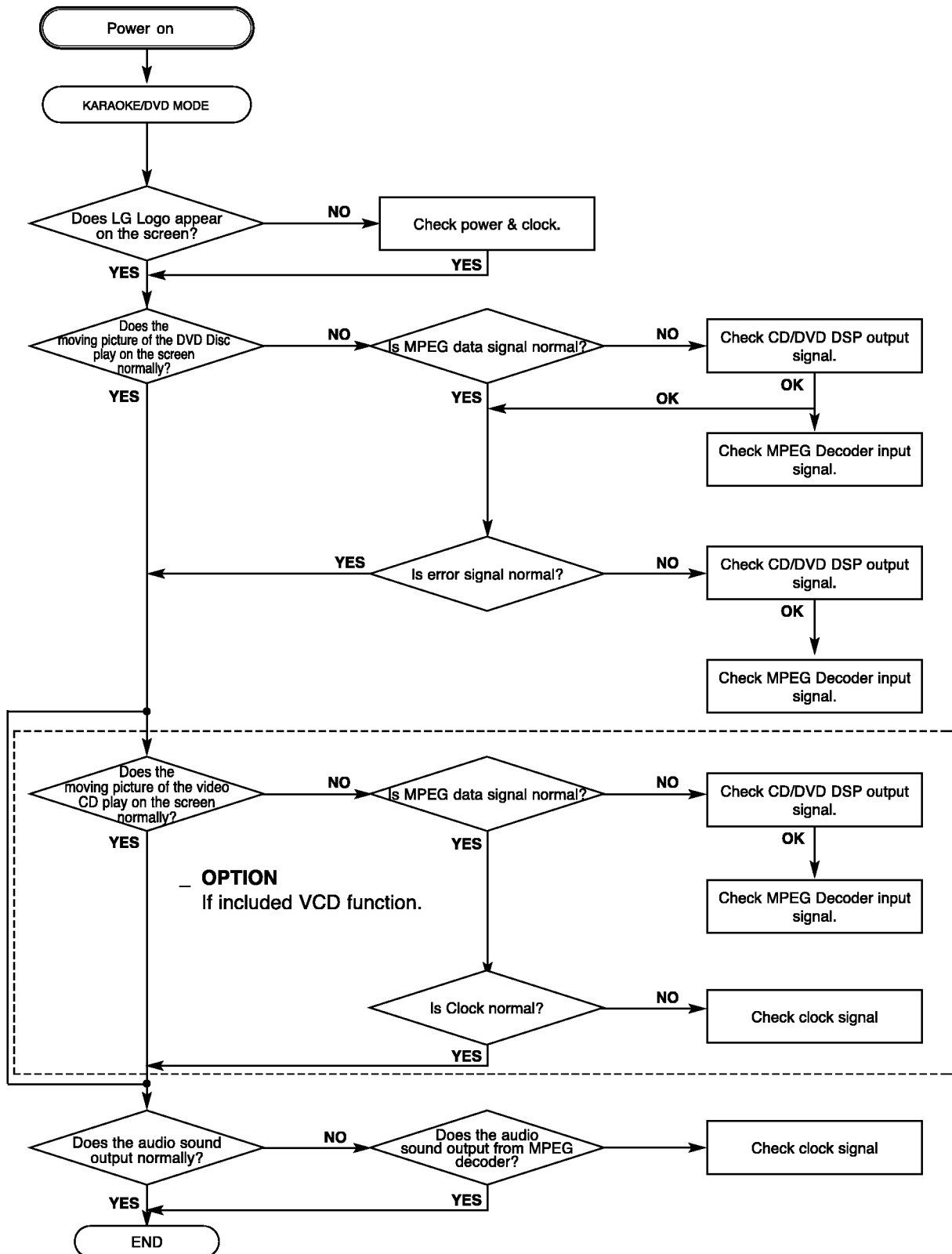
E. Picture abnormal



F. Disc Error

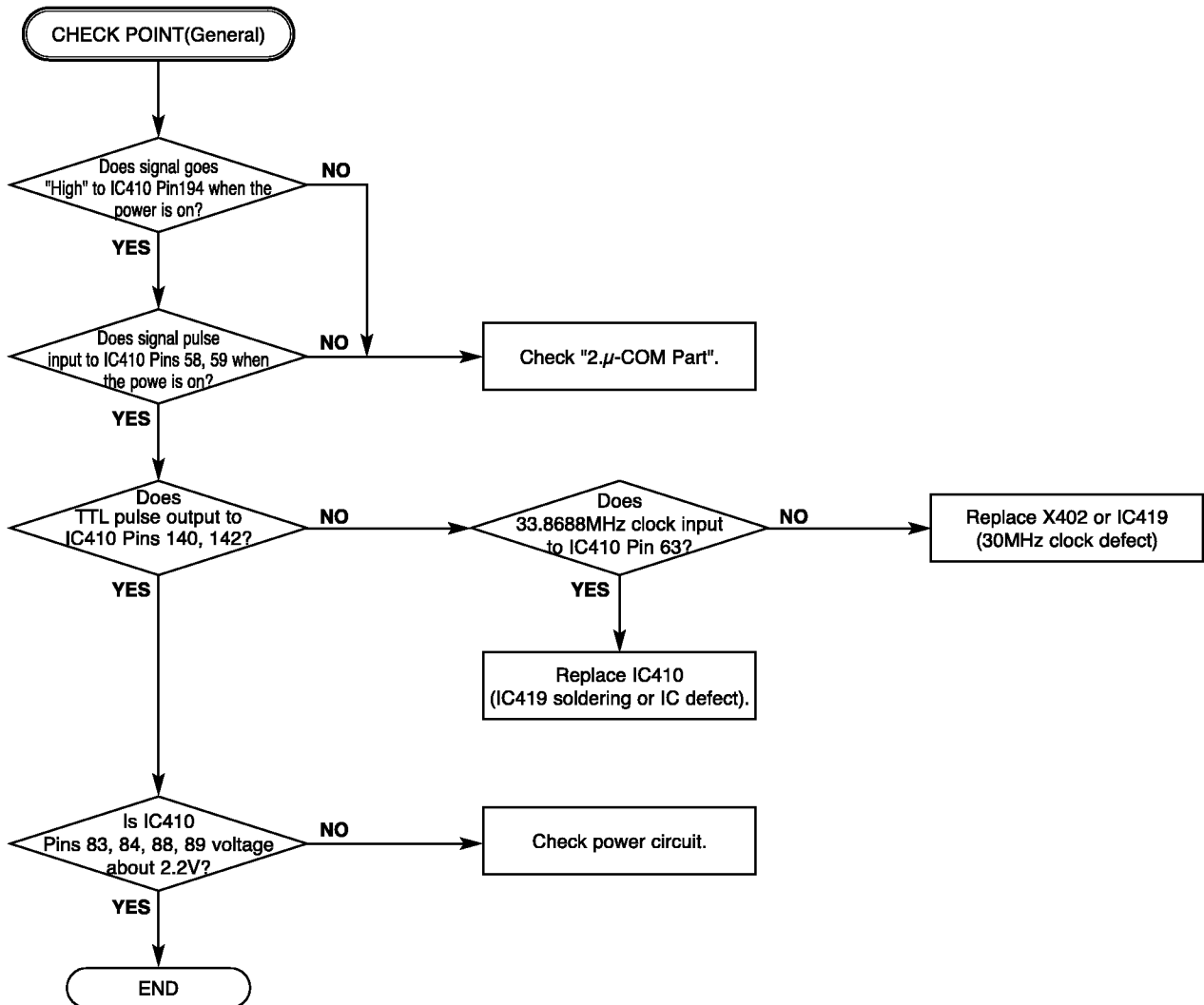


• MPEG Circuit

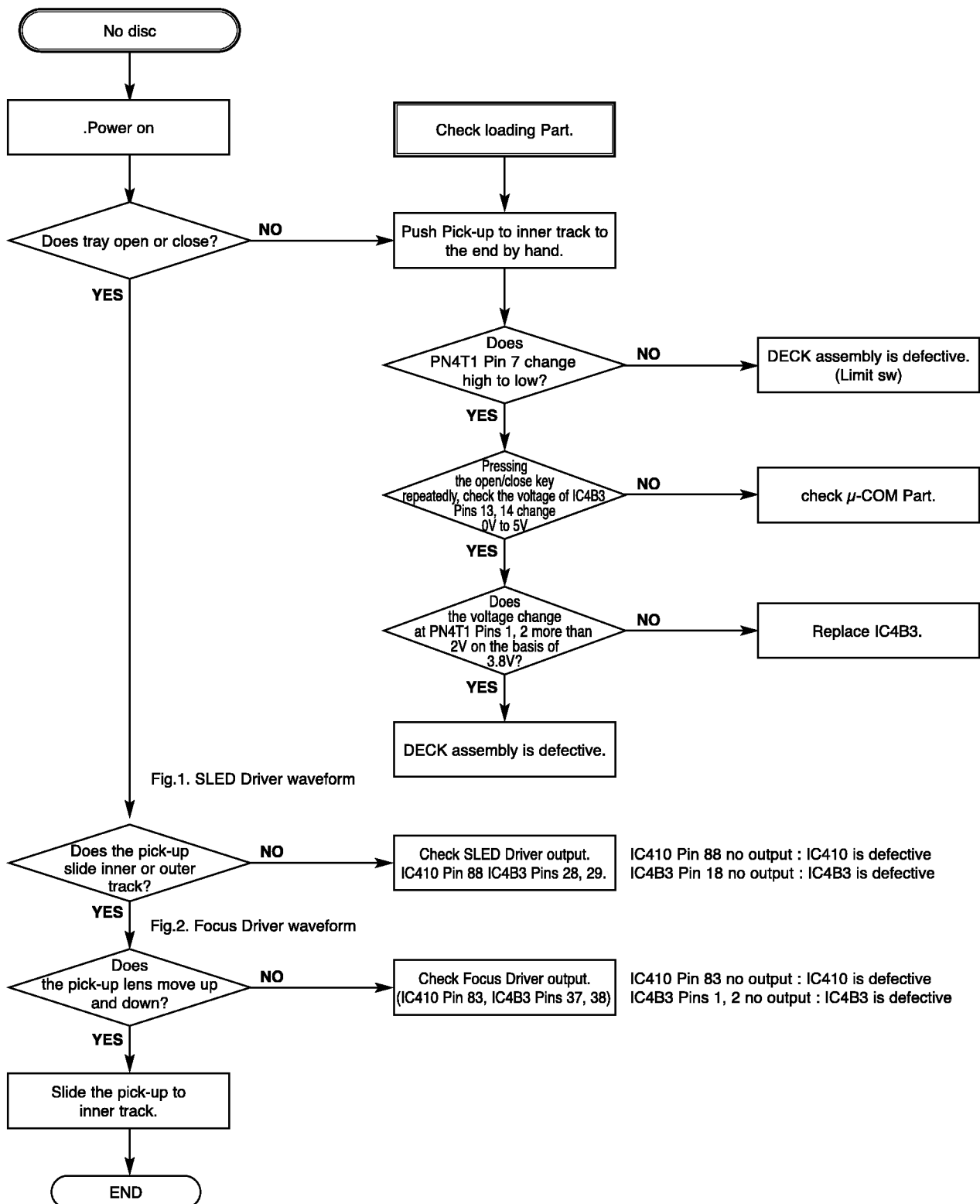


• RF/Servo Circuit

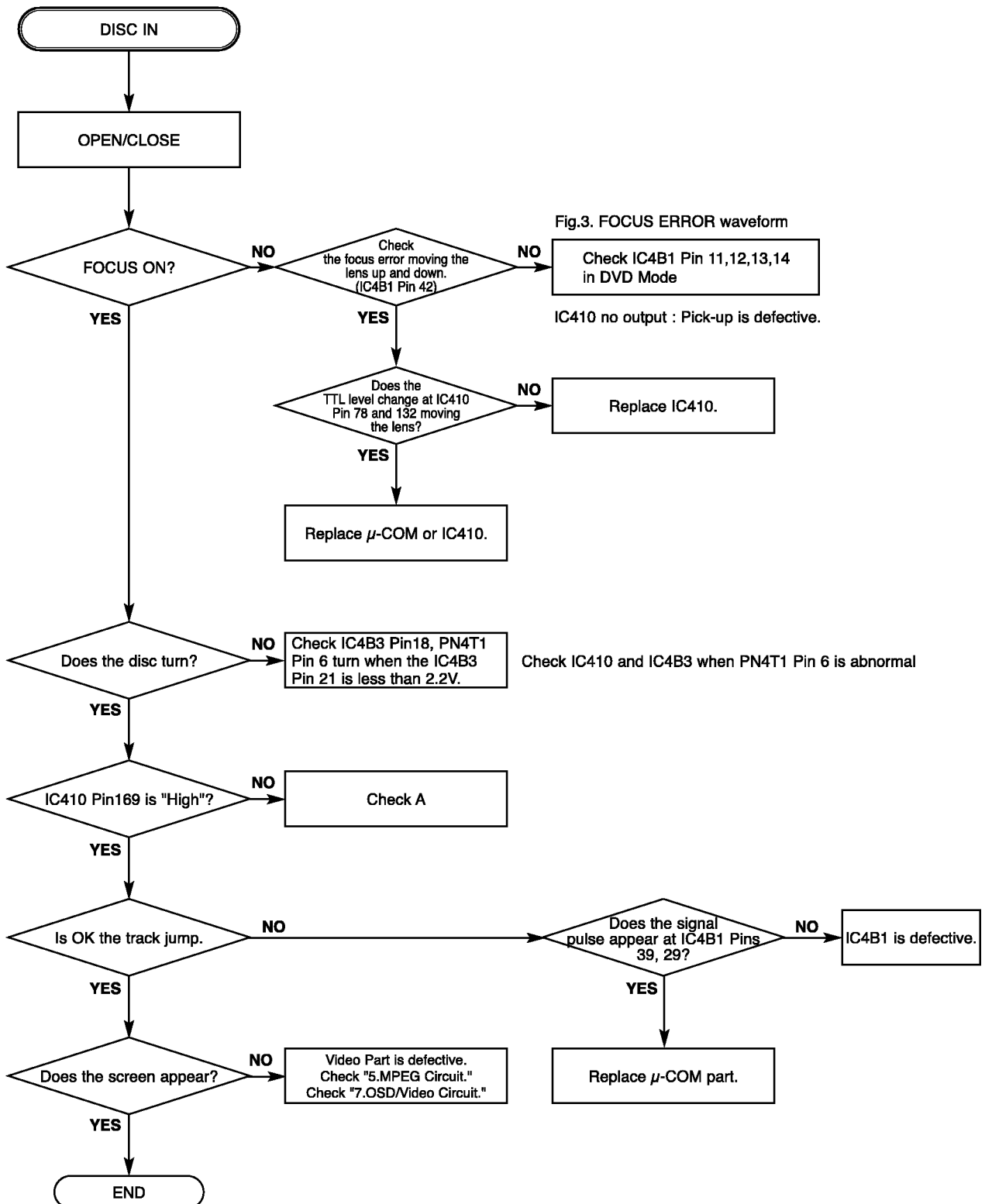
A.



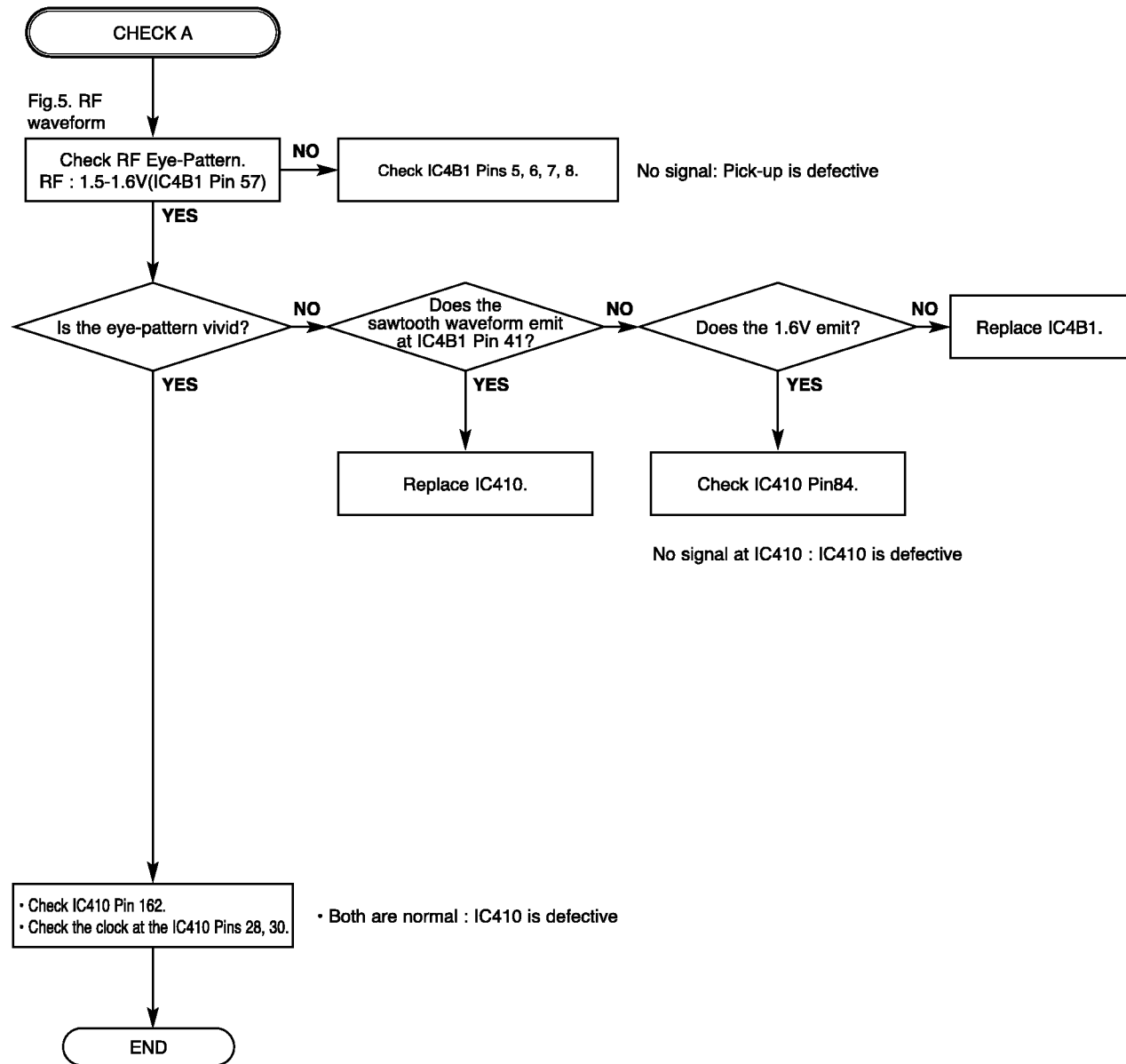
B.



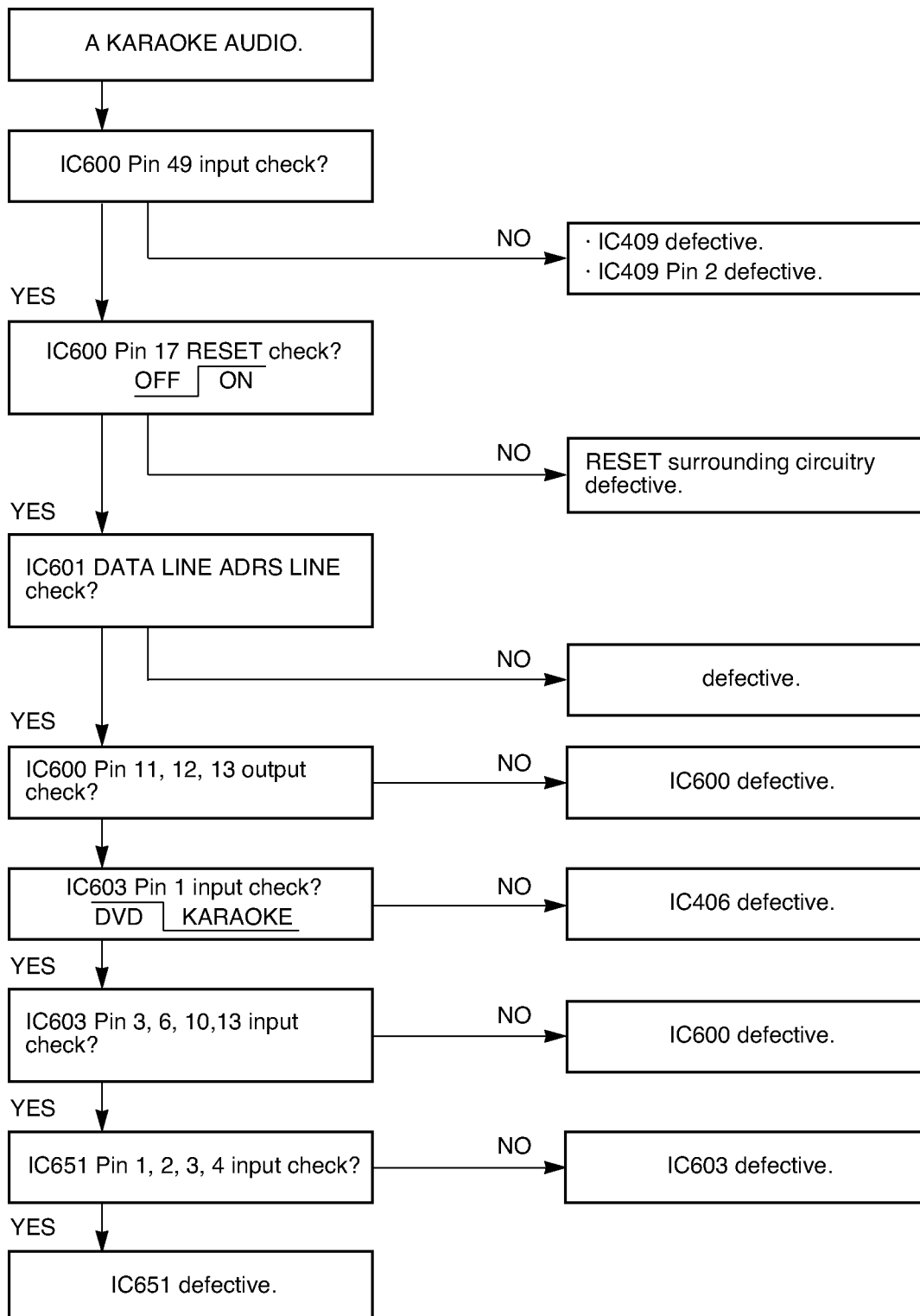
C.



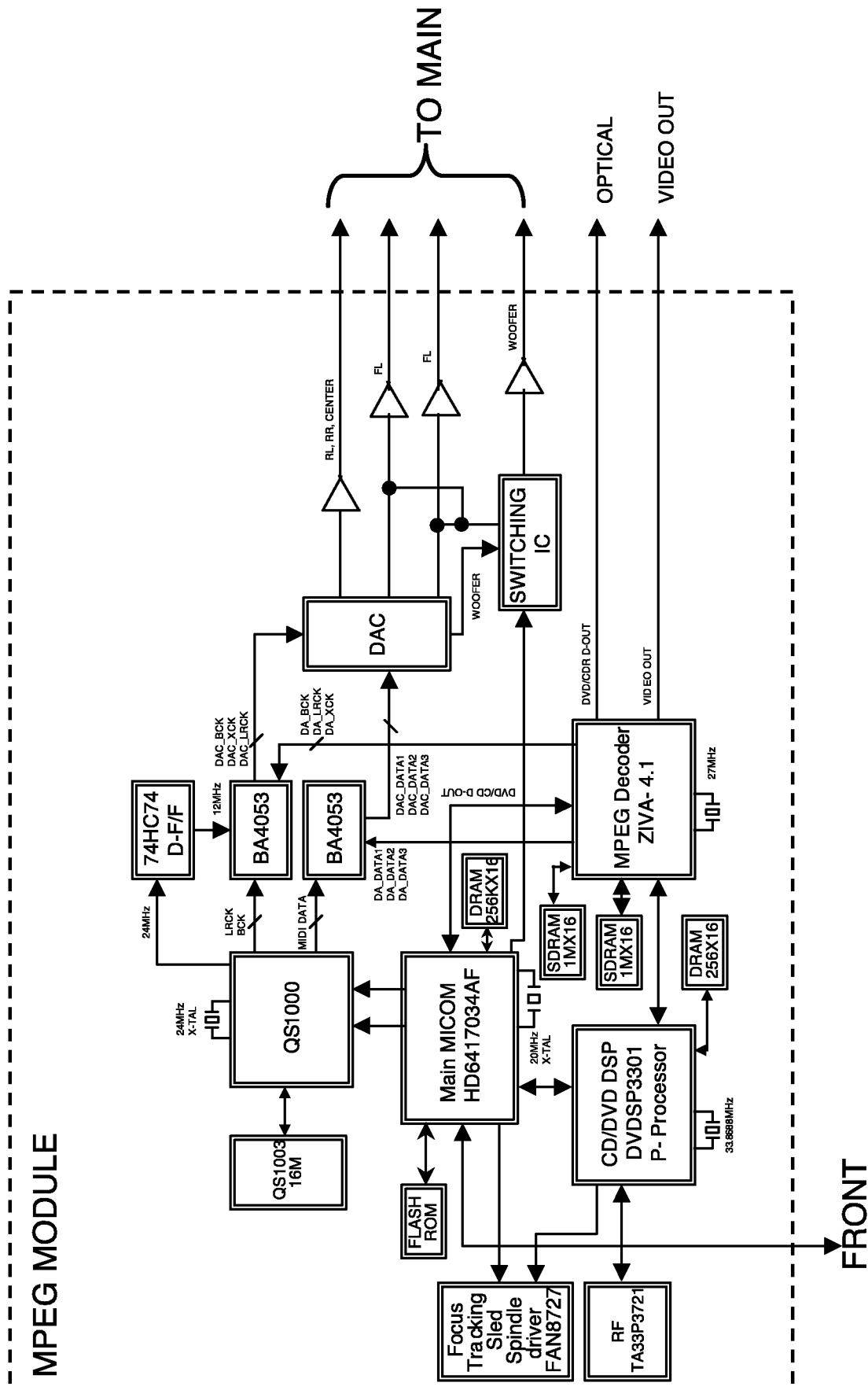
D.



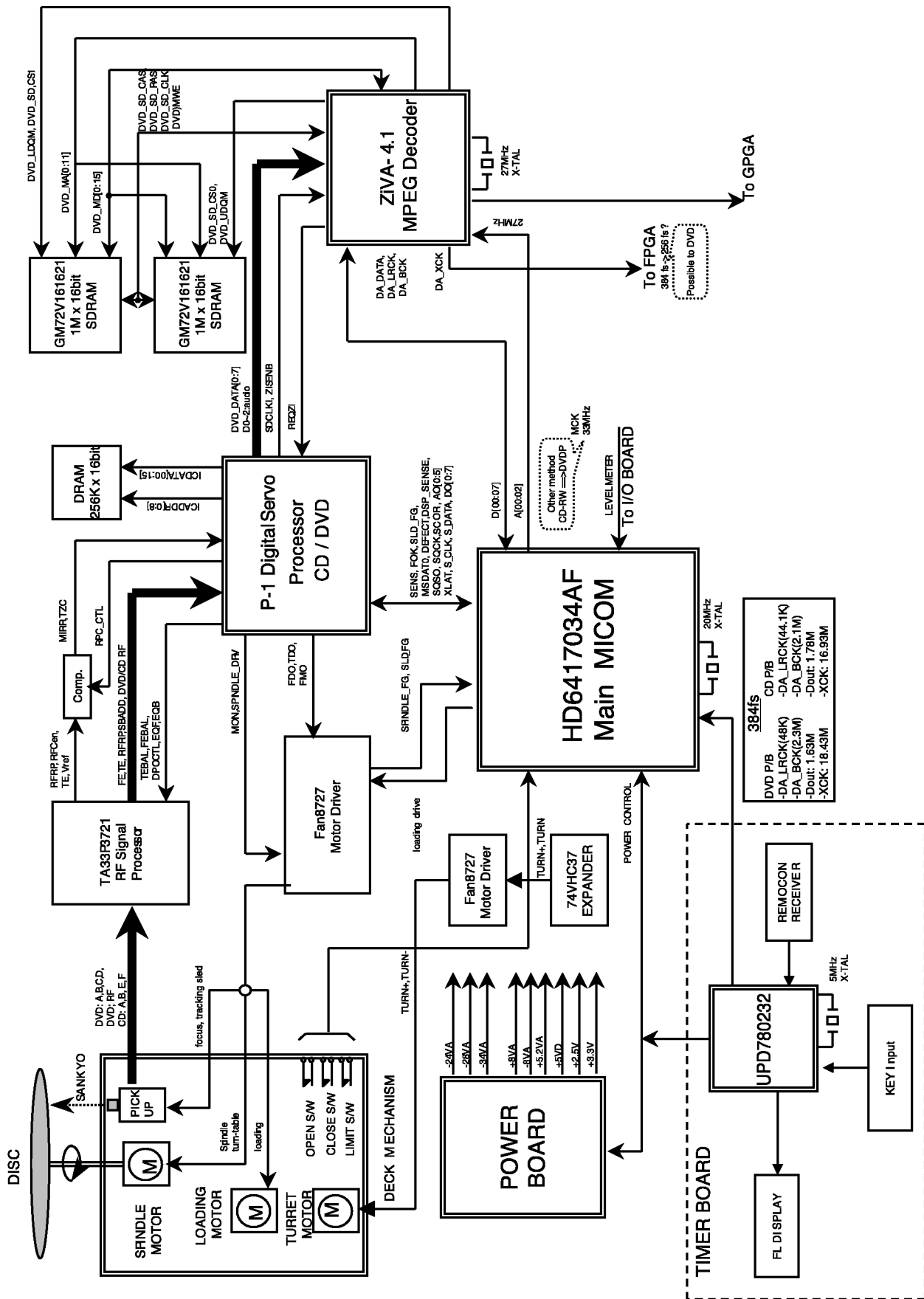
• Audio signal KARAOKE



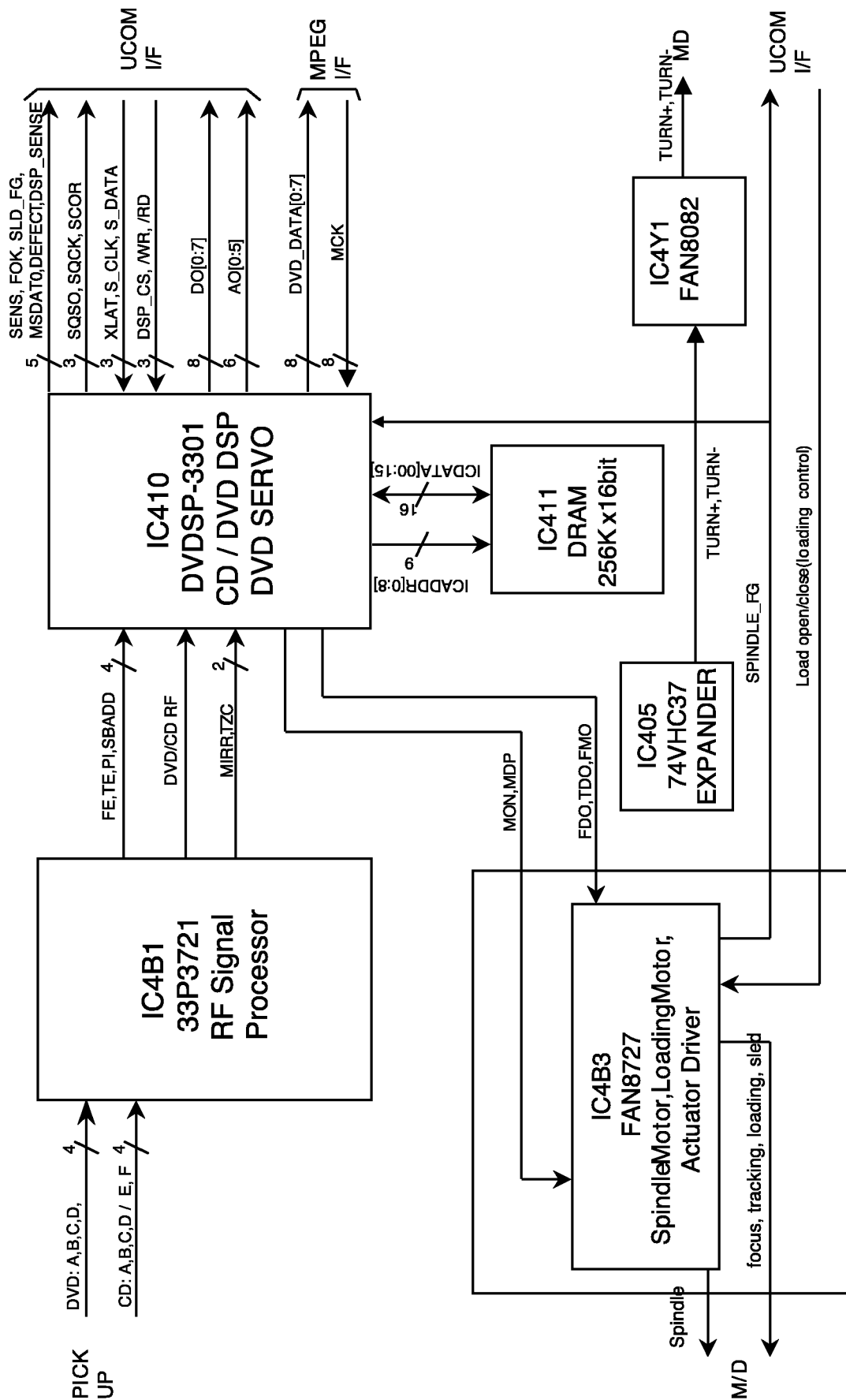
• DVD- KARAOKE PLAYER BLOCK DIAGRAM



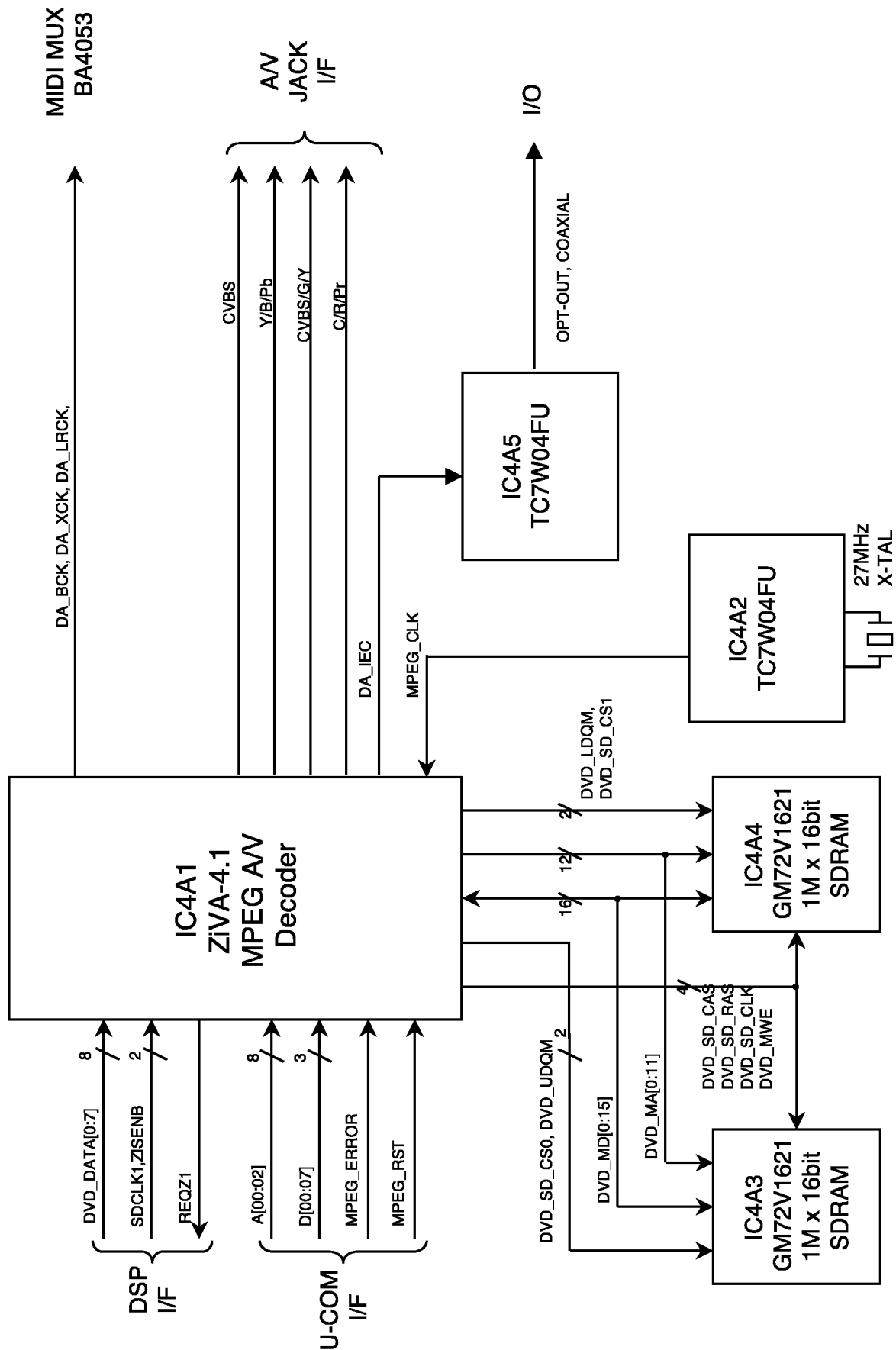
- **CD/ DVD BLOCK DIAGRAM**



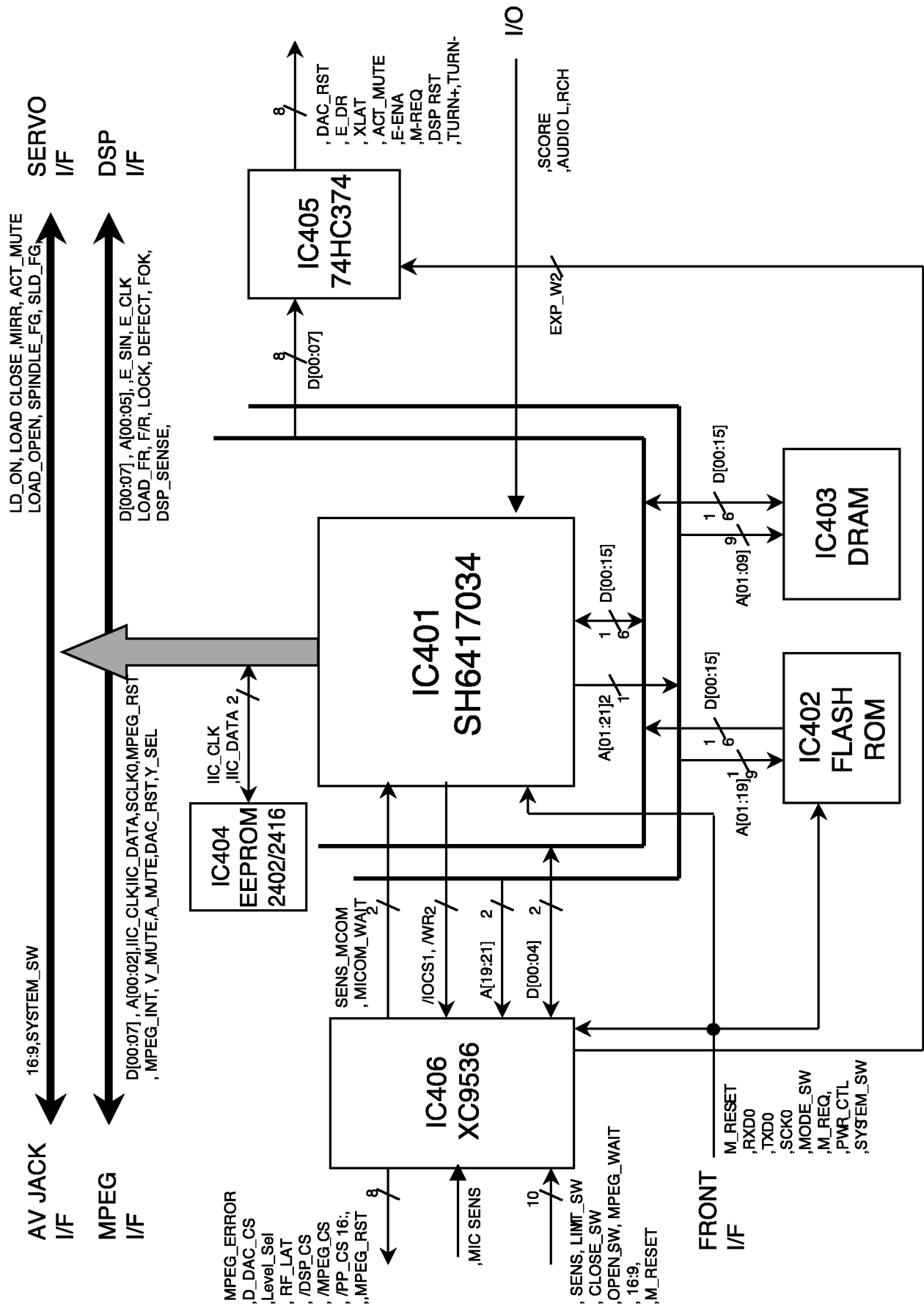
• DVD- PLAYER RF/ CD DSP/ DVD DSP / DVD SERVO BLOCK DIAGRAM



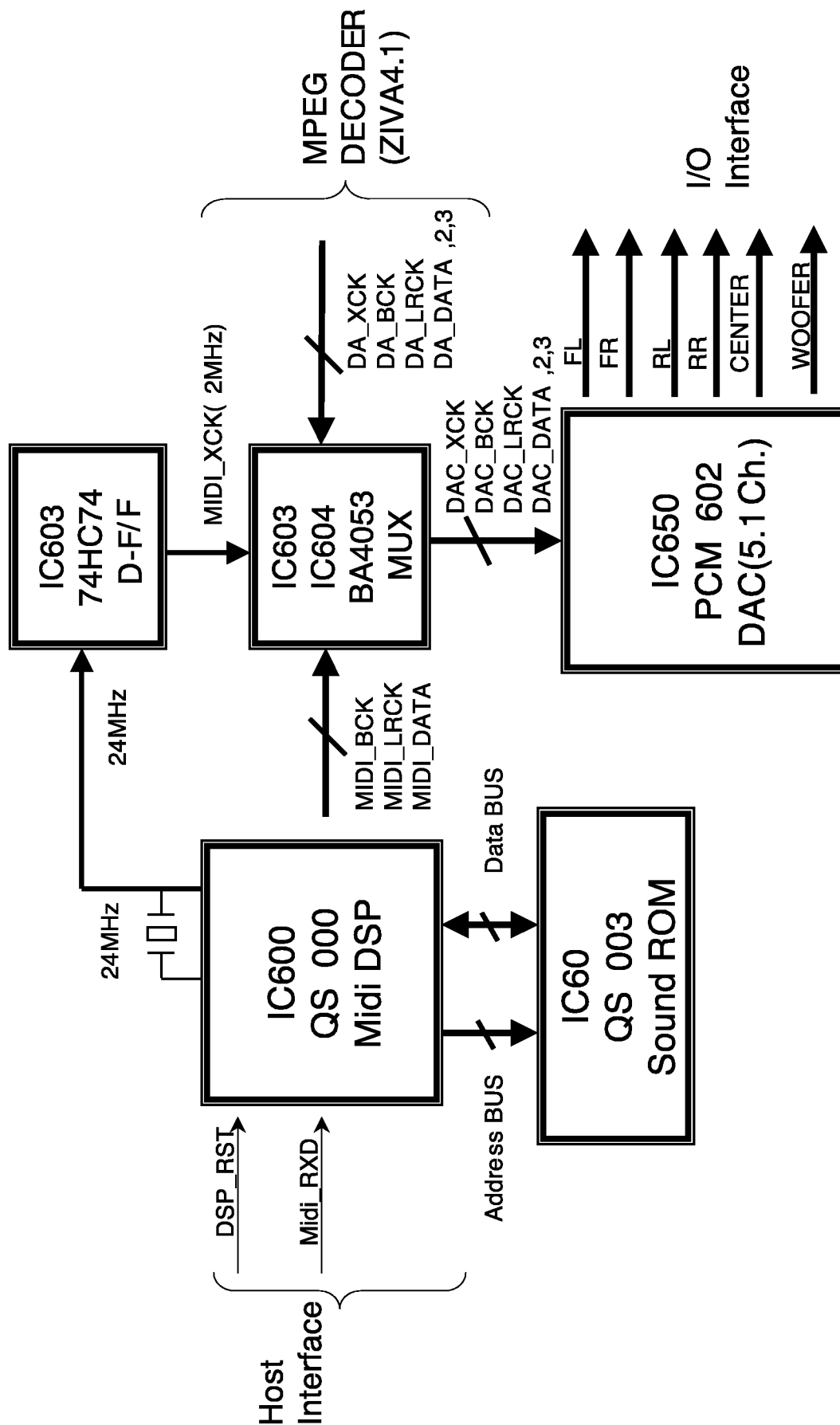
• DVD- PLAYER MPEG BLOCK DIAGRAM



• DVD- PLAYER UCOM BLOCK DIAGRAM

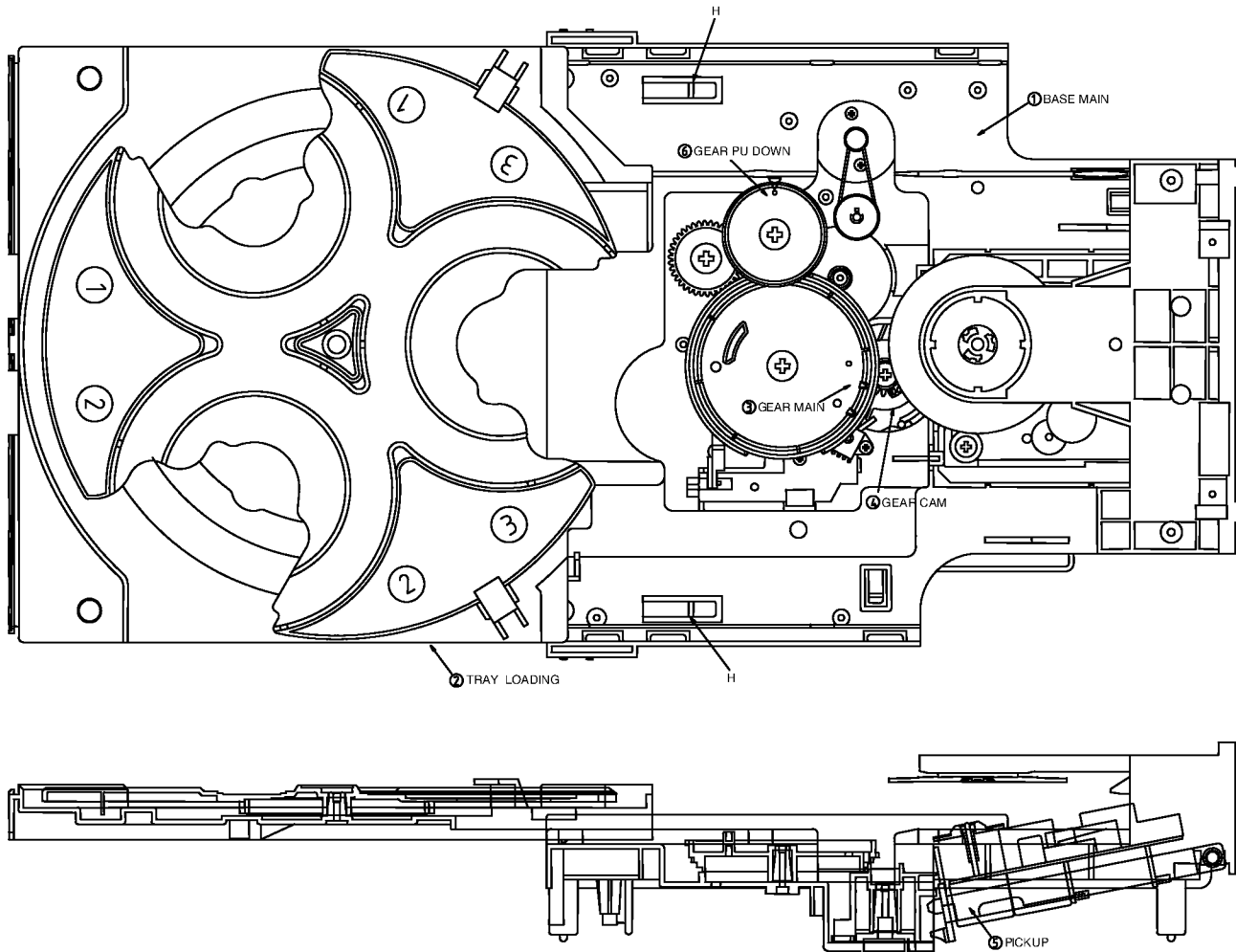


• MIDI BLOCK DAIGRAM



REPAIRS REGARDING CD MECHANISM

• IMPROVED METHOD - WHEN THE TRAY GEARS WERE DISTORTED



1. How to open the tray

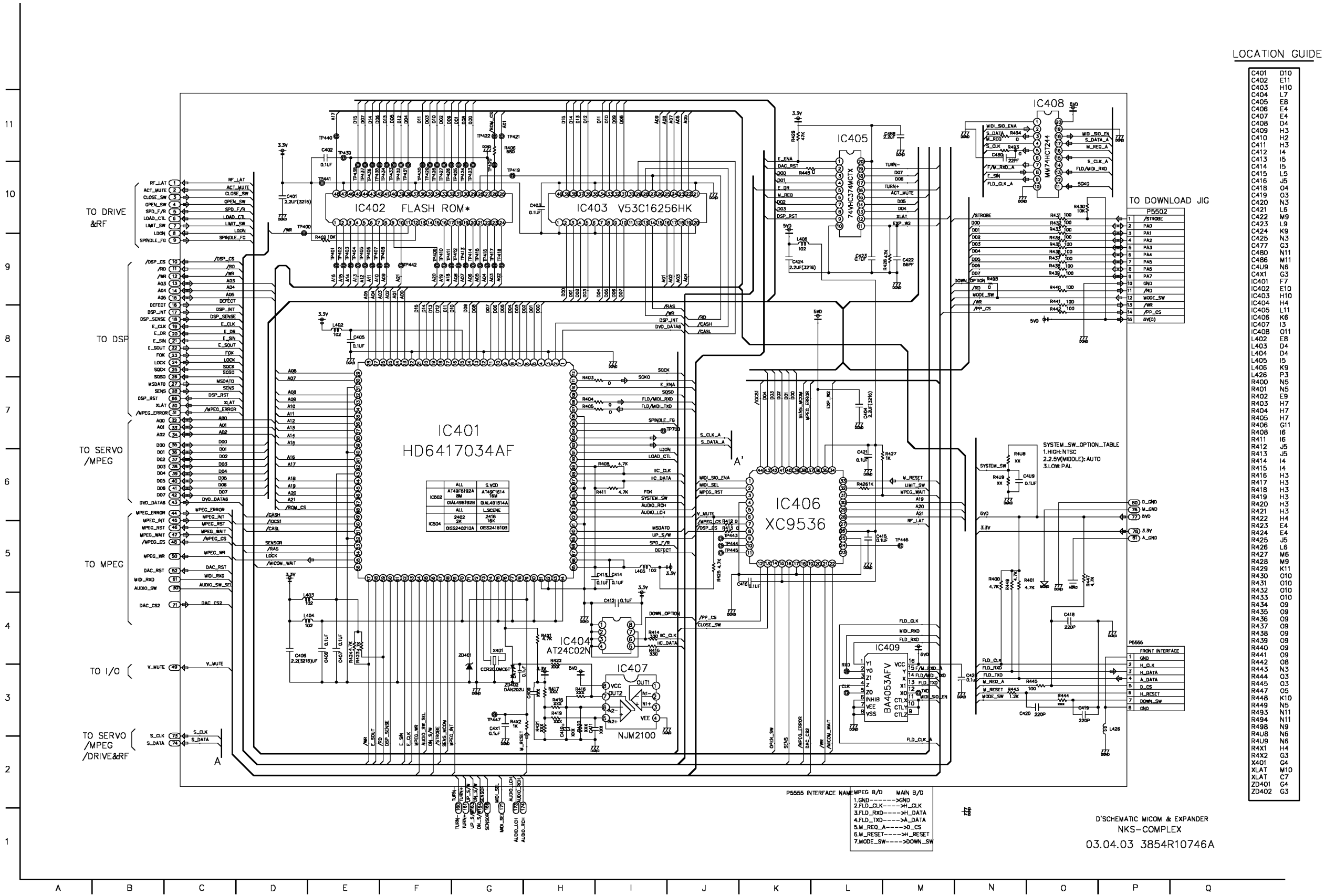
Push two hooks (H) of the ① BASE MAIN, and open the ② TRAY LOADING

2. How to correct the distorted gears

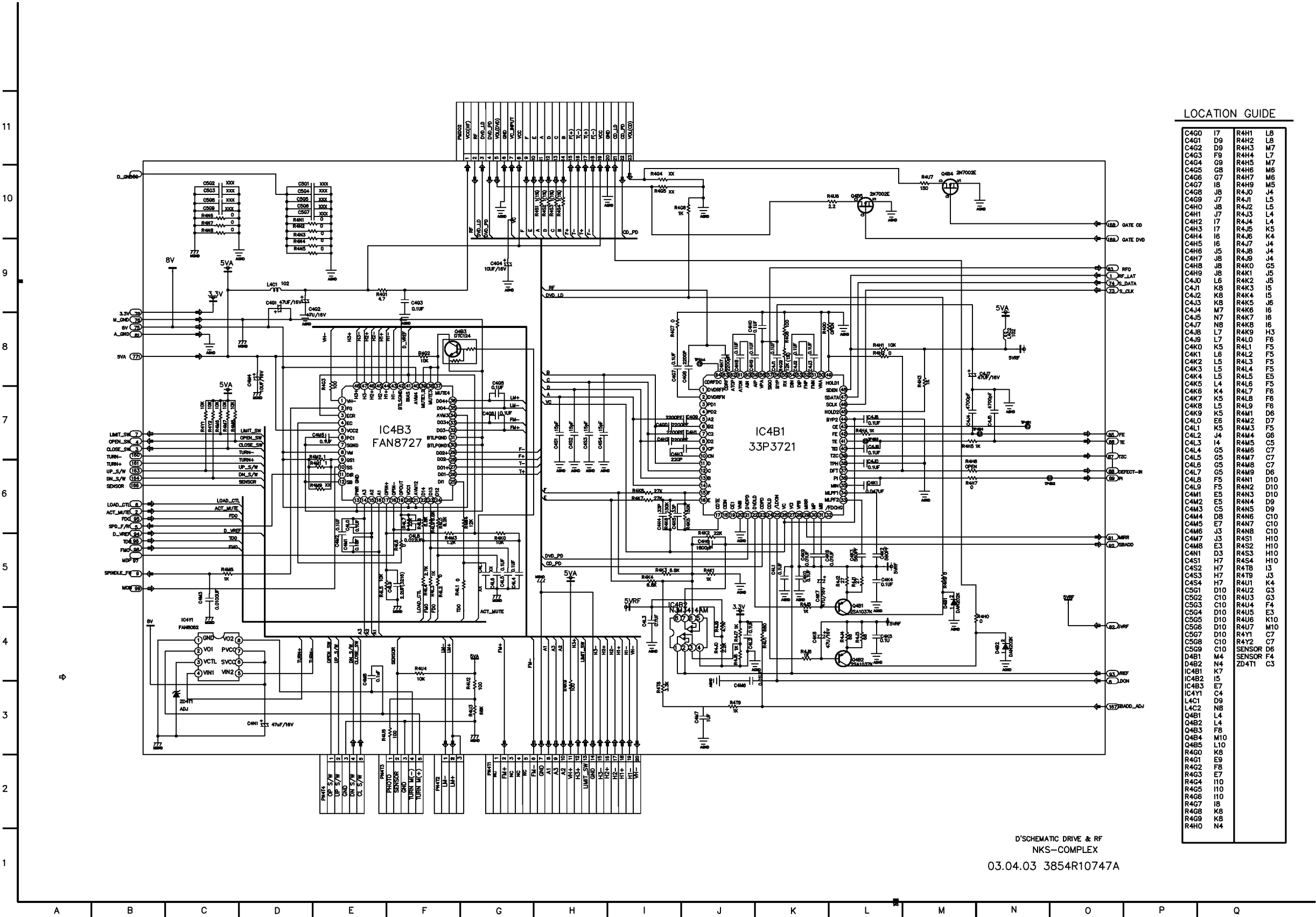
- (1) Turn ③ GEAR MAIN until it clicks, if so that ⑤ PICK-UP is downed completely
- (2) The hold of ⑥ GEAR FU DOWN array as the arrow of ① BASEMAIN
- (3) Push the ② TRAY LOADING

SCHEMATIC DIAGRAMS

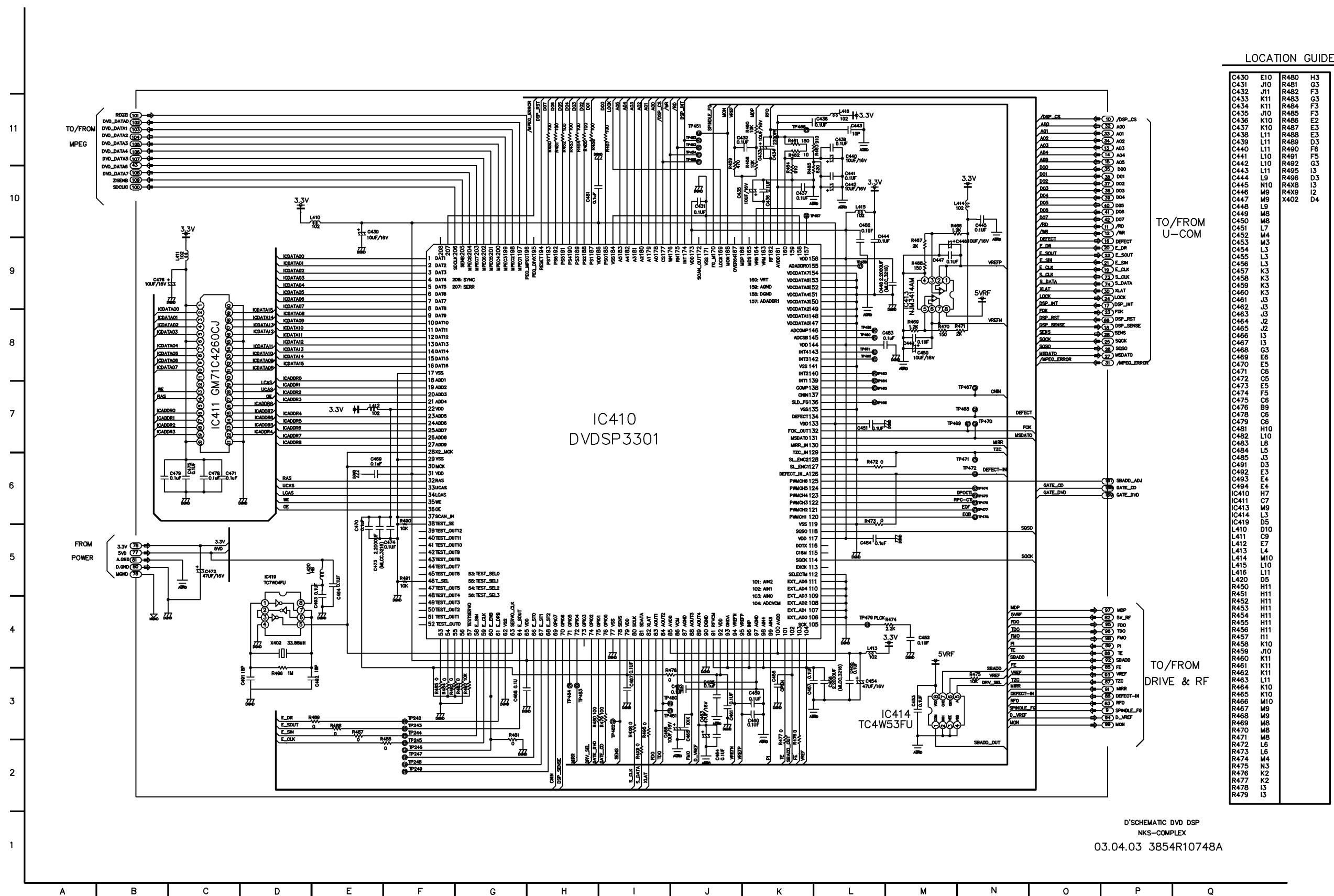
• MICOM & EXPANDER SCHEMATIC DIAGRAM



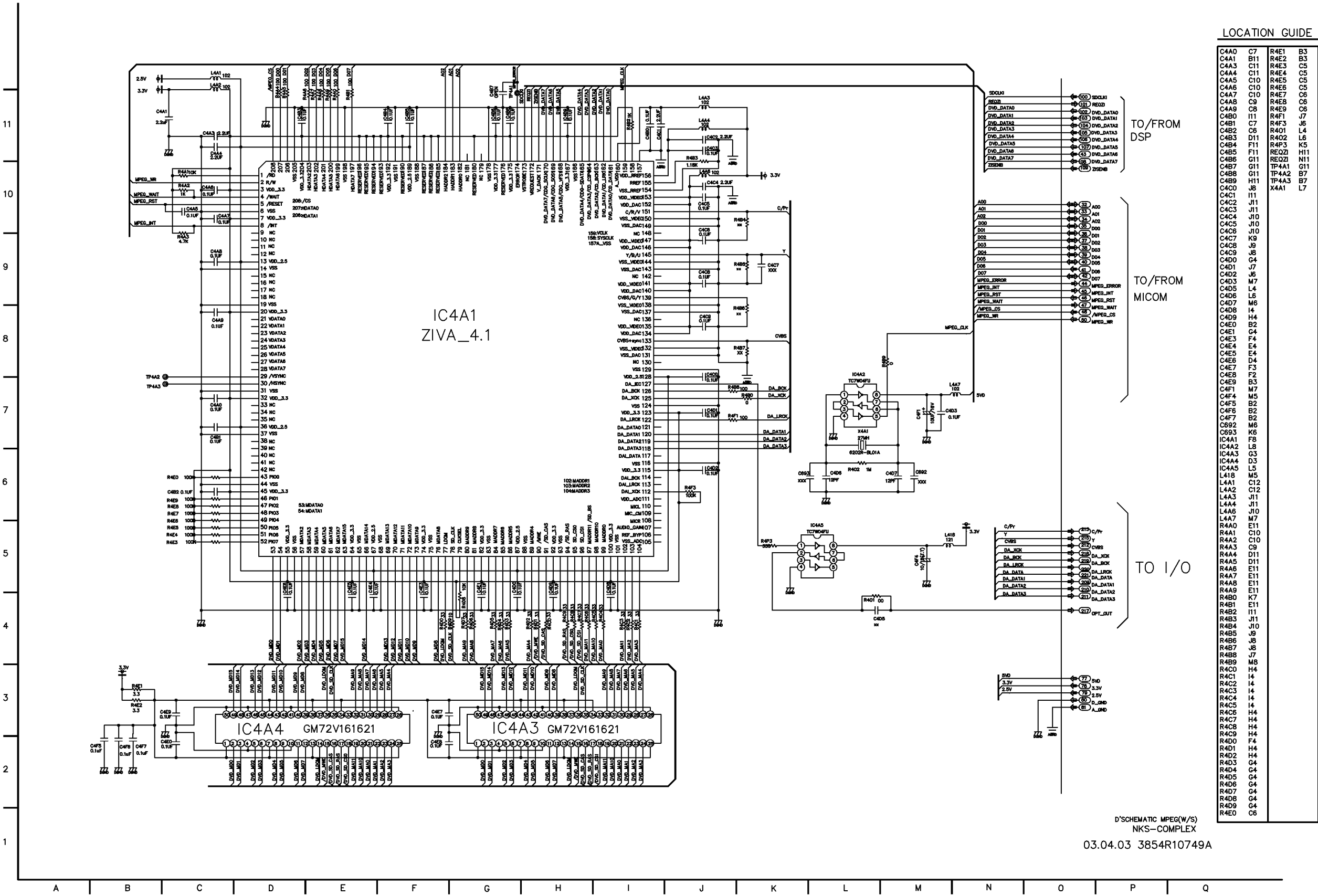
• DRIVE & RF SCHEMATIC DIAGRAM



• DVD DSP SCHEMATIC DIAGRAM

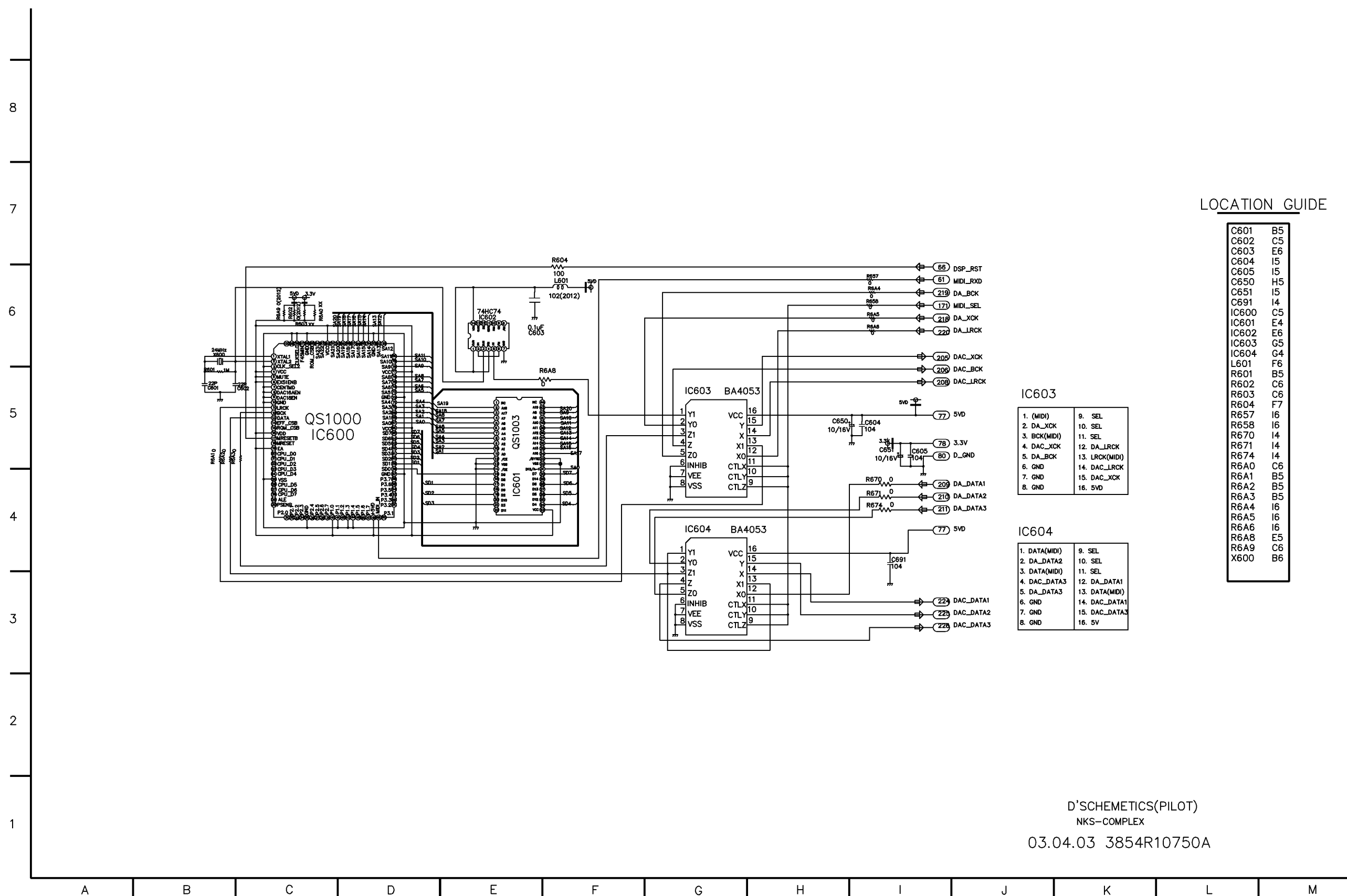


• MPEG (W/S) SCHEMATIC DIAGRAM

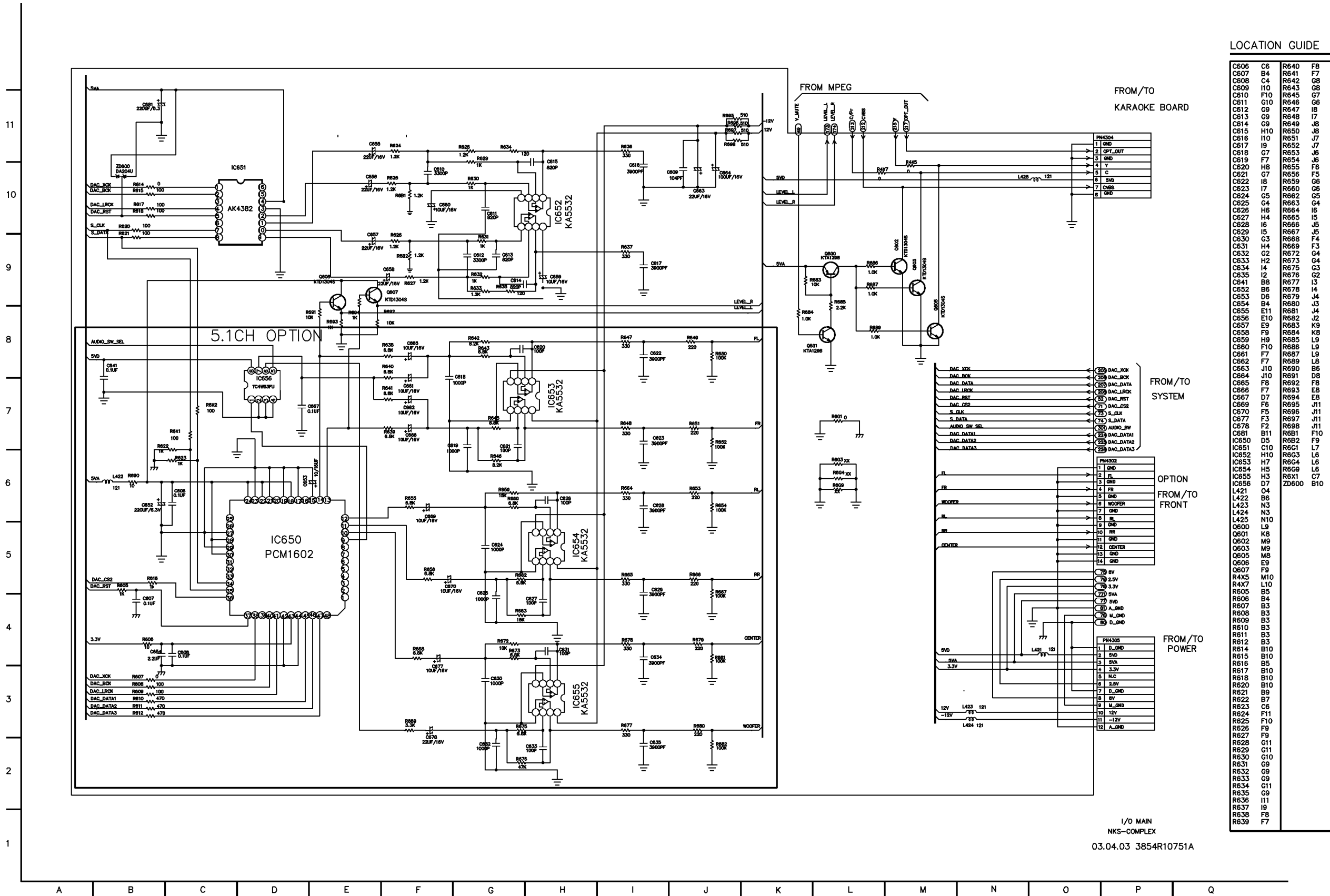


D'SCHEMATIC MPEG(W/S)
NKS-COMPLEX
03.04.03 3854R10749A

- **MIDI SCHEMATIC DIAGRAM**



• I/O MAIN SCHEMATIC DIAGRAM



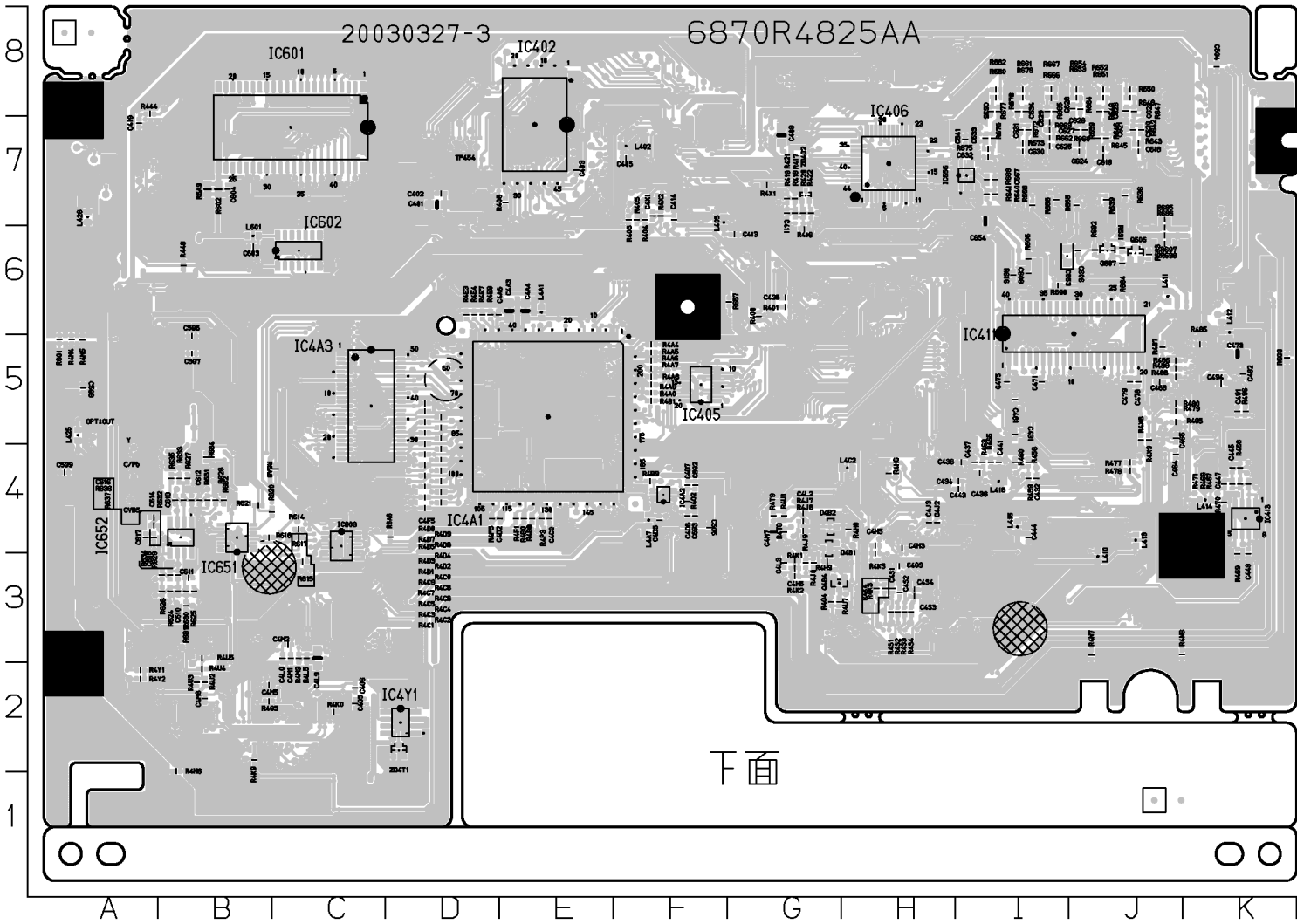
IC VOLTAGE SHEET

IC401	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC403	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC406	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC600	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC601	PIN NUM.				STOP	DVD PLAY	MIDI PLAY	IC4A1	PIN NUM.				STOP	DVD PLAY	MIDI PLAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	1	2	3	4	99	100	101		102	103	104	105	106	107	108		109	110	111	112	1	2	3		4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19	20	21	22	23	24		25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY	IC	PIN NUM.	STOP	DVD PLAY	MIDI PLAY
IC432	97	1.29	1.20	1.20	IC433	195	3.20	3.20	3.20	IC434	29	1.34	1.50	1.55	IC435	83	2.23	2.15	2.16	IC436	161	3.10	3.13	3.16	IC437	27	1.07	1.40	1.09
	98	0.49	0.36	0.36		196	3.20	3.20	3.20		30	2.80	2.90	3.10		64	0.03	0.04	0.03		162	1.99	2.01	2.03		28	3.11	2.50	3.15
	99	0.43	0.56	0.56		197	1.00	3.20	0.72		31	2.80	2.78	3.06		65	3.10	3.12	3.15		163	1.99	2.02	2.03		29	3.11	2.50	3.15
	100	3.19	3.20	3.20		198	0.03	0.03	0.03		32	5.05	4.99	5.04		66	0.03	0.04	0.03		164	1.43	1.45	1.46		30	0.00	0.00	0.00
	101	0.03	0.03	0.03		199	1.13	0.95	0.99		33	1.80	5.07	1.35		67	3.12	3.15	3.16		165	3.08	3.28	3.73		31	1.99	1.40	2.08
	102	1.30	1.44	1.44		200	1.30	1.30	1.23		34	2.80	0.13	2.82		68	0.03	0.04	0.03		166	1.63	1.74	1.73		32	1.99	1.50	2.08
	103	1.24	1.38	1.38		201	0.90	1.14	1.09		35	2.48	2.76	0.00		69	0.03	0.30	1.70		167	0.03	0.03	0.03		33	1.99	1.40	2.08
	104	1.20	1.38	1.38		202	1.20	1.14	1.16		36	1.61	2.76	2.38		70	0.03	0.04	0.03		168	0.03	3.13	3.15		34	1.99	1.40	2.08
	105	0.04	0.04	0.04		203	0.92	1.30	1.00		37	3.75	4.98	0.09		71	3.12	0.04	0.03		169	0.03	3.13	3.15		35	0.03	0.03	0.03
	106	0.57	0.60	0.82		204	3.17	3.20	3.20		38	2.00	0.70	3.45		72	0.07	0.23	1.64		170	3.68	1.65	1.70		36	1.99	1.40	2.08
	107	0.58	0.60	0.82		205	0.00	0.03	0.03		39	3.55	2.75	2.65		73	0.03	0.03	0.03		171	0.03	0.03	0.03		37	1.99	1.30	2.08
	108	0.56	0.60	0.82		206	1.35	1.47	1.47		40	2.47	2.48	2.42		74	3.12	3.13	0.03		172	3.10	3.10	3.15		38	1.99	1.30	2.08
	109	0.58	0.60	0.82		207	1.62	1.30	1.30		41	1.53	2.04	1.47		75	3.12	3.13	0.03		173	3.10	3.10	3.15		39	1.99	1.40	2.08
	110	0.58	0.60	0.82		208	5.13	5.12	5.11		42	1.70	0.97	1.67		76	0.03	0.04	3.16		174	3.10	3.12	3.16		40	0.03	0.03	0.03
	111	0.56	0.60	0.82		1	5.16	0.91	0.93		43	3.74	3.08	1.60		77	0.03	0.04	0.03		175	0.70	0.85	0.87		1	0.02	0.02	0.02
	112	3.14	3.14	3.14		2	3.82	1.79	1.72		44	2.47	2.50	2.49		78	0.03	2.44	3.16		176	3.10	3.12	3.13		2	0.36	0.37	0.37
	113	2.47	2.30	2.30		3	2.07	2.06	2.10		45	5.13	5.07	5.02		79	3.12	3.14	3.16		177	5.16	5.15	5.16		3	0.51	0.54	0.56
	114	2.48	2.30	2.30		4	2.09	1.98	2.04		46	5.02	5.00	5.02		80	5.02	5.03	5.02		178	0.10	0.16	0.18		4	3.10	3.10	3.12
	115	3.20	3.20	3.20		5	5.16	5.14	5.15		47	0.03	0.20	0.03		81	1.69	1.52	1.52		179	1.69	1.52	1.52		5	3.10	3.10	3.11
116	0.03	0.03	0.03	6	0.00	0.61	0.63	48	0.48	0.06	0.05	82	3.12	3.15	3.17	180	1.43	1.52	1.58	6	7.95	7.90	7.91						
117	2.46	2.30	2.30	7	0.02	0.03	0.03	49	3.75	0.10	0.09	83	2.05	2.12	2.05	181	1.34	1.54	1.58	7	7.95	7.90	7.92						
118	0.03	0.60	0.60	8	7.96	7.91	7.90	50	0.02	0.03	0.03	84	2.05	2.08	2.10	182	2.04	1.51	1.54	8	0.36	0.37	0.37						
119	0.03	0.03	0.03	9	7.96	7.88	7.93	51	2.66	2.48	2.72	85	3.12	3.13	3.16	183	0.79	1.50	1.57	9	2.61	2.61	2.61						
120	0.03	1.60	1.60	10	0.03	3.10	3.15	52	2.35	2.38	2.71	86	1.39	1.40	1.42	184	0.02	0.03	0.03	1	2.61	0.03	2.60						
121	0.03	1.60	1.60	11	3.66	0.04	0.05	53	3.66	3.59	3.66	87	0.02	0.03	0.03	185	1.63	1.35	1.46	2	2.61	0.03	2.50						
122	0.03	1.60	1.60	12	0.02	0.03	0.02	54	3.66	3.59	3.66	88	0.07	2.04	2.08	186	3.15	3.12	3.15	3	2.61	0.03	2.50						
123	3.20	1.60	1.60	13	0.02	0.03	0.02	55	0.62	0.64	0.63	89	2.07	2.08	2.10	187	1.37	1.50	1.48	4	0.60	0.59	0.60						
124	0.03	1.61	0.03	14	2.14	5.80	6.28	56	1.82	2.80	2.58	90	0.03	0.04	0.03	188	0.93	1.30	1.30	5	0.60	0.57	0.58						
125	2.54	1.62	2.33	15	2.14	6.00	6.27	57	3.89	3.00	3.04	91	1.58	1.59	1.50	189	1.22	1.14	1.19	6	0.00	0.00	0.00						
126	3.20	1.61	3.20	16	2.14	6.00	6.28	58	5.14	3.56	5.12	92	3.12	3.14	3.16	190	0.92	1.14	1.13	7	2.60	0.03	0.01						
127	3.20	1.61	3.20	17	1.85	1.84	1.87	59	3.62	3.56	3.58	93	1.58	1.59	1.60	191	1.32	1.32	1.25	8	2.60	2.60	2.60						
128	2.38	2.38	2.37	18	1.85	0.00	1.88	60	3.62	3.57	3.58	94	1.13	1.14	1.15	192	1.13	0.95	1.00	9	2.61	2.60	2.50						
129	0.03	0.03	0.03	19	2.09	2.00	2.04	61	3.88	3.82	3.84	95	2.00	2.02	2.04	193	1.00	0.73	0.75	10	2.61	2.60	2.60						
130	0.00	0.00	0.00	20	7.96	7.90	7.92	62	3.89	3.83	3.80	96	1.58	1.59	1.60	194	3.13	3.15	3.17	11	2.61	2.60	2.50						
131	0.03	0.03	0.03	21	7.96	7.90	7.92	63	0.00	0.45	3.50	97	0.02	0.03	0.03	195	3.05	2.58	3.56	12	2.61	0.03	2.50						
132	0.03	0.03	0.03	22	2.67	2.07	2.10	64	1.93	2.00	2.68	98	1.58	1.59	1.60	196	0.03	2.50	0.03	13	0.88	0.88	0.85						
133	0.98	0.85	0.85	23	2.07	2.07	2.10	1	1.98	1.80	2.07	99	1.62	2.26	2.39	197	0.03	1.04	1.59	14	5.19	5.19	5.13						
134	3.14	3.15	3.15	24	2.07	2.07	2.10	2	1.98	1.60	2.07	100	3.12	3.13	3.16	198	0.03	1.40	1.59	15	0.00	0.00	0.00						
135	3.14	3.15	3.15	25	2.07	2.07	2.10	3	1.98	1.90	2.07	101	1.54	1.53	1.48	199	0.03	1.30	1.59	16	0.00	0.00	0.00						
136	0.03	0.00	0.00	26	4.10	4.09	4.05	4	1.99	1.80	2.07	102	1.58	1.59	1.63	200	0.03	1.68	0.03	17	0.00	0.00	0.00						
137	0.03	0.03	0.03	27	4.05	4.02	4.03	5	1.96	2.30	2.07	103	1.69	1.30	1.69	201	0.03	1.50	0.10	18	-8.10	-8.10	-8.10						
138	0.03	0.03	0.03	28	4.08	4.01	4.20	6	1.99	2.10	2.07	104	1.58	1.59	1.60	202	0.03	1.50	1.60	19	0.01	0.01	0.01						
139	0.76	0.55	0.55	29	4.07	4.09	3.90	7	1.99	1.70	2.07	105	1.50	1.52	1.53	203	0.03	1.40	0.07	5	0.02	0.01	0.01						
140	3.14	3.15	3.15	30	0.02	0.03	0.03	8	1.99	1.70	2.07	106	0.03	0.03	0.03	204	0.03	1.40	0.03	6	0.01	0.01	0.00						
141	3.14	3.15	3.15	31	0.02	0.03	0.03	9	1.99	1.50	2.07	107	0.03	0.03	0.03	205	3.10	3.00	3.16	7	7.95	7.92	7.94						
142	0.03	0.00	0.00	32	4.05	4.09	4.16	10	1.99	1.50	2.07	108	0.03	0.03	0.03	206	2.56	1.56	1.60	8	0.01	0.00	0.00						
143	0.02	0.03	0.03	33	4.09	4.00	3.99	11	1.99	1.40	2.07	109	0.03	0.03	0.03	207	3.10	3.13	3.15	9	0.00	0.00	0.00						
144	0.03	0.03	0.03	34	7.94	7.90	7.92	12	1.99	1.40	2.07	110	0.03	0.03	0.03	208	3.10	3.13	3.16	10	-8.10	-8.10	-8.10						
145	0.83	0.70	0.70	35	4.07	4.05	4.06	13	1.99	1.50	2.07	111	0.03	0.03	0.03	1	1.57	1.59	0.03	11	0.00	0.00	0.00						
146	3.14	3.15	3.15	36	4.07	4.04	4.06	14	1.99	1.60	2.07	112	0.03	0.03	0.03	2	0.02	0.03	0.03	12	0.00	0.00	0.00						
147	3.14	3.15	3.15	37	0.03	0.04	0.04	15	1.99	1.40	2.07	113	3.11	3.29	3.30	3	0.02	0.03	0.03	13	0.00	0.00	0.00						
148	0.03	0.00	0.00	38	0.03	0.04	0.04	16	1.99	3.14	2.08																		

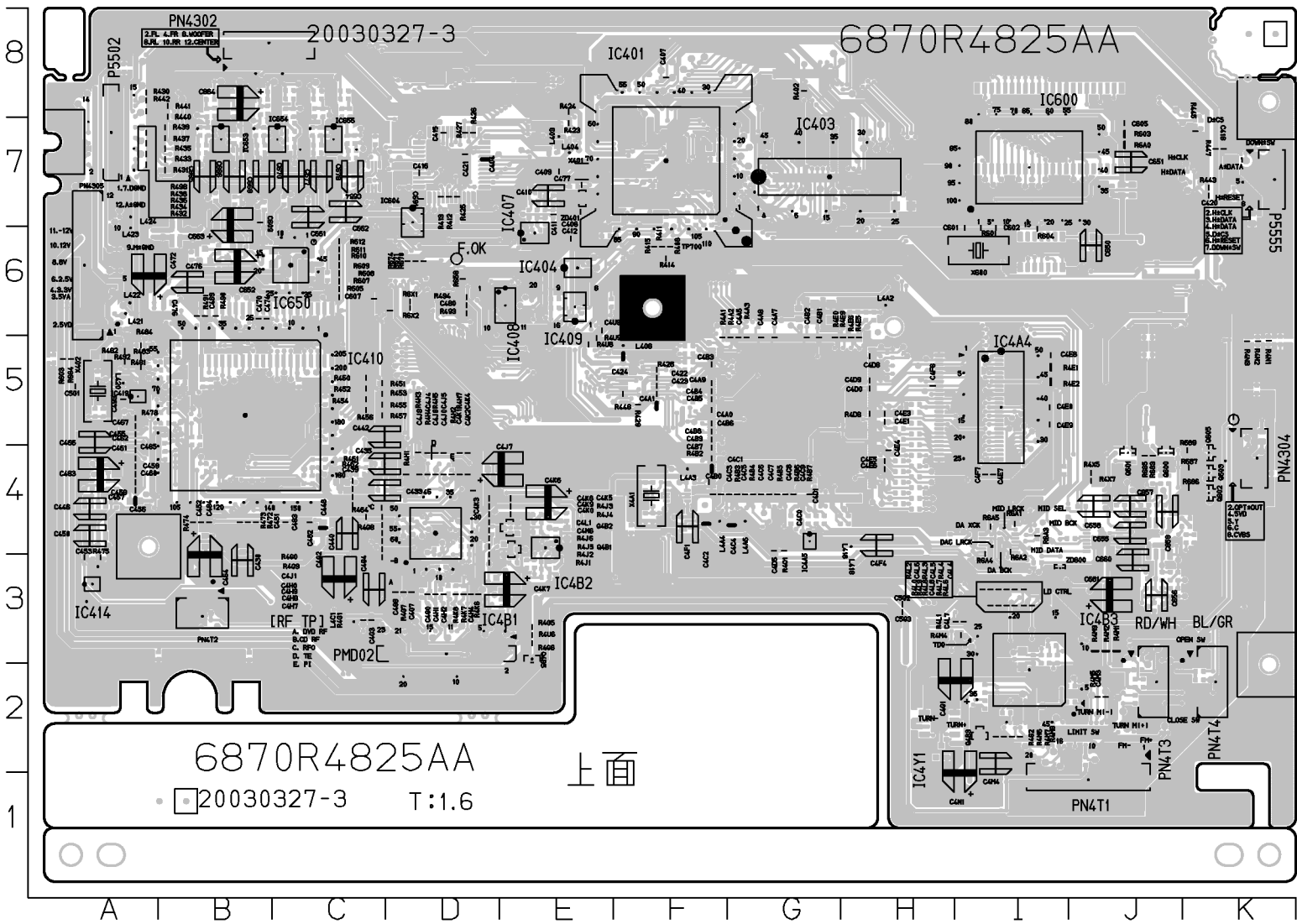
PRINTED CIRCUIT DIAGRAMS

• DVD KARAOKE PCB BOARD (SOLDER SIDE)



C401	D7	C4L2	G4	C654	I7	PIN0037H4	PIN0181	D5	PIN0323F8	PIN0540	C7	R444	A8	R406	D5	R4Y2	A2	R668	I7	TP419	E8
C402	D7	C4L3	G3	C667	I7	PIN0044H3	PIN0182	D5	PIN0327J5	PIN0566	C4	R449	B6	R407	D5	R602	B7	R669	I7	TP420	E7
C403	E7	C4L9	C3	C692	F4	PIN0047H4	PIN0183	D5	PIN0328G7	PIN0568	C3	R458	I4	R409	D5	R606	I6	R672	I7	TP421	D7
C405	F7	C4M1	C3	C693	F4	PIN0048C3	PIN0189	D5	PIN0329G7	PIN0571	C4	R459	I4	R4E3	D6	R614	C4	R673	I7	TP423	E7
C408	G7	C4M2	C3	D481	G4	PIN0055B2	PIN0190	D5	PIN0331G7	PIN0582	I7	R460	I4	R4E4	D6	R615	C3	R675	I7	TP424	E7
C413	G6	C4M5	B2	D482	G4	PIN0056H4	PIN0191	D5	PIN0341F6	PIN0583	I7	R463	I4	R4E7	D6	R616	I6	R676	I7	TP425	E7
C414	F7	C4M7	G4	IC402	E7	PIN0060G7	PIN0192	D5	PIN0342G6	PIN0584	J6	R465	I4	R4E8	D6	R617	C4	R677	I8	TP426	E7
C419	A7	C4M8	B2	IC405	F5	PIN0063I4	PIN0194	D5	PIN0343G6	PIN0604	C4	R466	K4	R4F1	E4	R618	B4	R678	I8	TP427	E7
C425	G6	C4S1	H3	IC406	H7	PIN0067I4	PIN0195	D5	PIN0346F7	PIN0605	C3	R467	K4	R4F3	D4	R620	C4	R679	I8	TP428	E7
C431	I5	C4S2	H3	IC411	J6	PIN0069K4	PIN0196	D5	PIN0349F7	PIN0607	C4	R468	K4	R4G3	B2	R621	B4	R680	I8	TP429	E7
C432	I4	C4S3	H3	IC413	K4	PIN0078K5	PIN0200	D5	PIN0350E8	PIN0628	I3	R469	K3	R4G4	G3	R624	B3	R681	I8	TP430	E7
C434	I4	C4S4	H3	IC4A1	E5	PIN0079K5	PIN0204	D4	PIN0360F5	PIN0630	B4	R470	K4	R4H0	H4	R625	B3	R682	I8	TP431	E7
C436	I4	C4X1	F7	IC4A2	F4	PIN0085I6	PIN0208	D4	PIN0361G5	PIN0633	B4	R471	K4	R4H6	H4	R626	B4	R684	B4	TP432	E7
C437	I4	C5G4	K8	IC4A3	C5	PIN0086B3	PIN0210	D4	PIN0362G5	PIN0641	B3	R476	J4	R4H9	G3	R627	B4	R690	I6	TP433	E7
C438	I4	C5G5	F4	IC4Y1	D2	PIN0087A3	PIN0212	D4	PIN0363F5	PIN0642	G7	R477	J4	R4J0	G3	R628	B3	R691	J6	TP434	E7
C441	I4	C5G6	B5	IC601	C7	PIN0088B3	PIN0214	D4	PIN0370H7	PIN0645	K4	R479	J5	R4J7	G4	R629	B3	R692	J6	TP435	E7
C443	I4	C5G7	B5	IC602	C5	PIN0089B3	PIN0215	D4	PIN0371H7	PIN0646	K4	R480	J5	R4J8	G4	R630	B3	R693	J6	TP436	E7
C444	I4	C5G8	A5	IC603	C4	PIN0090B4	PIN0216	D4	PIN0373H7	PIN0647	A3	R485	K5	R4J9	G3	R631	B4	R694	J6	TP437	E7
C445	K4	C5G9	A4	IC651	B4	PIN0091B4	PIN0224	D4	PIN0383G8	PIN0648	B4	R486	J5	R4K0	C2	R632	B4	R695	J7	TP438	E7
C447	K4	C5G3	B6	IC652	B4	PIN0092B4	PIN0233	E4	PIN0391I5	PIN0653	F4	R487	J5	R4K1	G3	R633	B4	R696	J6	TP439	D7
C449	K3	C6B4	B7	IC656	I7	PIN0093B4	PIN0235	E4	PIN0393I5	PIN0656	C3	R488	J5	R4K2	G3	R634	B3	R697	J6	TP440	E8
C464	J4	C6B6	J6	L402	F7	PIN0094B3	PIN0240	F4	PIN0394I5	PIN0657	G4	R489	J5	R4K3	H3	R635	B4	R698	J6	TP441	E7
C465	J5	C6B8	I6	L405	F7	PIN0097J7	PIN0243	F4	PIN0395I5	PIN0658	F7	R495	J5	R4K4	H3	R636	A4	R6A6	D4	TP443	H7
C468	J5	C610	B3	L410	J3	PIN0098J7	PIN0244	H5	PIN0396I5	PIN0659	F7	R496	K5	R4K5	H3	R637	A4	R6A8	C4	TP444	H7
C471	I5	C611	B3	L411	J6	PIN0099J7	PIN0246	H5	PIN0397J5	PIN0661	I5	R4A0	F5	R4K9	B2	R638	J7	R6A9	B7	TP445	H7
C473	K5	C612	B4	L412	K6	PIN0100J8	PIN0248	H5	PIN0405I6	PIN0662	I4	R4A4	F5	R4L5	C3	R639	J7	R6B1	B3	TP446	H7
C475	I5	C613	B4	L413	J4	PIN0101J7	PIN0250	H5	PIN0406J5	PIN0663	K4	R4A5	F5	R4M3	C3	R640	I7	R6B2	B4	TP451	B3
C478	J5	C614	B4	L414	K4	PIN0102J7	PIN0251	H5	PIN0407J5	PIN0665	I5	R4A6	F5	R4M4	A5	R641	I7	R6G1	A5	TP454	D7
C479	J5	C615	B3	L415	I4	PIN0105J7	PIN0256	F5	PIN0410J6	PIN0666	B4	R4A7	F5	R4M5	A5	R642	J7	R6G9	K5	TP467	J4
C481	I5	C616	A4	L416	I4	PIN0106J7	PIN0257	F5	PIN0412J6	PIN0667	B3	R4A8	F5	R4N6	B1	R643	J7	TP242	K5	TP468	F7
C491	K5	C617	A4	L425	A5	PIN0108J7	PIN0261	F5	PIN0413J6	PIN0668	G4	R4A9	F5	R4N7	J3	R645	J7	TP243	K5	TP469	F7
C492	K5	C618	J7	L426	A7	PIN0112I8	PIN0264	F5	PIN0414J6	PIN0676	G3	R4B0	E4	R4N8	J3	R646	J7	TP244	J5	TP470	F7
C494	K5	C619	J7	L4A1	E6	PIN0113I7	PIN0265	G5	PIN0416J5	PIN0677	H3	R4B1	F5	R4O2	F4	R647	J8	TP245	K5	TP480	J5
C4A3	E6	C620	J7	L4A7	F4	PIN0116I7	PIN0267	F4	PIN0419J5	PIN0678	E6	R4B8	E4	R4P3	E4	R648	J8	TP401	E8	TP481	J5
C4A4	E6	C621	J7	L4C2	H4	PIN0117I7	PIN0268	C5	PIN0436K5	PIN0680	B6	R4B9	F4	R4S1	H3	R649	J8	TP402	E8	TP482	J5
C4A6	D6	C622	J8	L601	B6	PIN0118I7	PIN0269	C5	PIN0442K4	Q4B4	G3	R4C0	D4	R4S2	H3	R650	J8	TP403	E8	TP4A1	H7
C4C0	E4	C623	J8	PIN0001F5		PIN0119I8	PIN0272	C5	PIN0443J5	Q606	J6	R4C1	D4	R4S3	H3	R651	J8	TP404	E8	TP4A2	E6
C4D2	E4	C624	J7	PIN0004E4		PIN0123B4	PIN0276	D4	PIN0446J4	Q607	J6	R4C2	D4	R4S4	H3	R652	J8	TP405	F8	TP4A3	E6
C4D3	F4	C625	I7	PIN0006F4		PIN0126B4	PIN0278	D4	PIN0451H4	R400	G6	R4C3	D4	R4S5	J8	R653	J8	TP406	F8	TP4A4	E6
C4D6	F4	C626	J7	PIN0007F4		PIN0127B4	PIN0281	C4	PIN0454I4	R401	G6	R4C4	D4	R4T9	G4	R654	J8	TP407	F8	TP4A4	H4
C4D7	F4	C627	I7	PIN0019H4		PIN0129B4	PIN0282	C5	PIN0471K4	R403	F7	R4C5	D4	R4U1	G4	R655	J7	TP408	F8	TP4A4	H4
C4F5	D5	C628	J8	PIN0020H4		PIN0131J7	PIN0283	C5	PIN0472K4	R404	F7	R4C6	D4	R4U2	B2	R656	J7	TP409	F8	TP4A4	H4
C4G5	C2	C629	I8	PIN0022H3		PIN0132J7	PIN0284	C5	PIN0519B7	R405	F7	R4C7	D4	R4U3	B2	R657	G6	TP410	F8	TP4A4	H4
C4G6	C2	C630	I7	PIN0023H4		PIN0135J7	PIN0301H4		PIN0520B7	R406	E7	R4C8	D4	R4U4	B2	R659	J7	TP411	F8	TP4A4	H4
C4G9	H3	C631	I7	PIN0024G3		PIN0136I7	PIN0304H5		PIN0529C7	R416	G6	R4C9	D4	R4U5	B3	R660	J7	TP412	D7	TP4A4	H4
C4H3	H4	C632	I7	PIN0025G4		PIN0138I8	PIN0305H4		PIN0530C7	R417	G7	R4D0	D5	R4U7	G3	R662	I7	TP413	D7	TP4A4	H4
C4H5	H4	C633	I7	PIN0030I4		PIN0145F6	PIN0306H4		PIN0533C7	R418	G7	R4D1	D4	R4X1	G7	R663	I7	TP414	D7	TP4A4	H4
C4H6	G3	C634	I8	PIN0033H4		PIN0146F6	PIN0309G4		PIN0534C7	R419	G7	R4D2	D4	R4X2	F7	R664	J8	TP415	D7	TP4A4	H4
C4J2	H4	C635	I8	PIN0034H4		PIN0148F6	PIN0313C3		PIN0535C7	R420	G7	R4D3	D4	R4X8	J5	R665	I8	TP416	D8	TP4A4	H4
C4J3	H4	C641	I7	PIN0035H4		PIN0179D6	PIN0321F8		PIN0536C7	R421	G7	R4D4	D5	R4X9	J5	R666	I8	TP417	E8	TP4A4	H4
C4L0	C3	C653	I6	PIN0036H4		PIN0180D6	PIN0322F8		PIN0537C7	R422	G7	R4D5	D5	R4Y1	A2	R667	I8	TP418	D8	TP4A4	H4

• DVD KARAOKE PCB BOARD (COMPONENT SIDE)

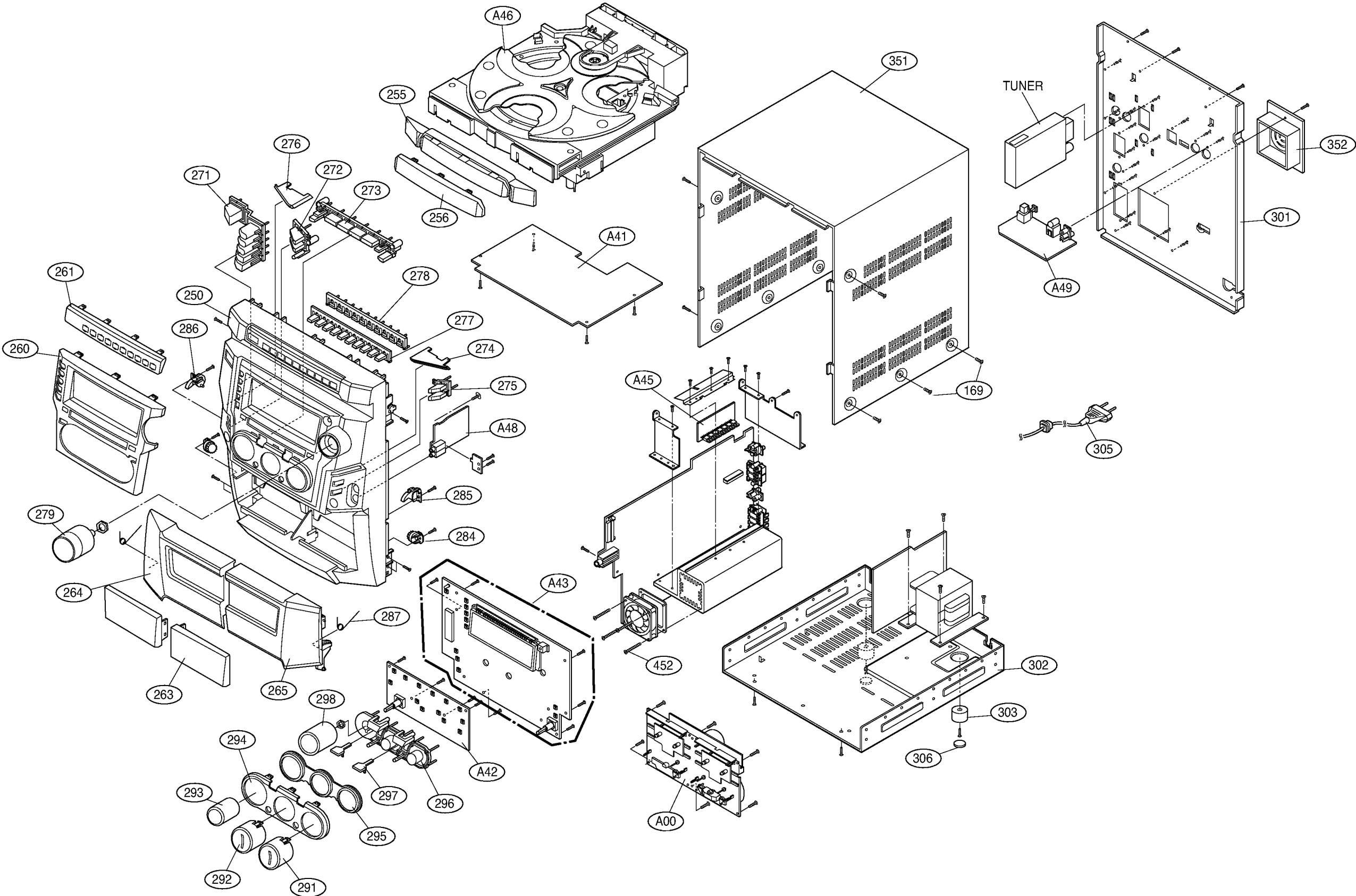


C404	D7	C4A5	G5	C4H9	C4	C677	C7	PIN0028	C4	PIN0247	D5	PIN0447	A4	PMD02	D3	R456	C5	R4J5	D4	R6A2	I4
C406	E7	C4A7	G5	C4J0	D4	C678	C7	PIN0039	D4	PIN0249	D5	PIN0457	C5	PN4302	B8	R457	C5	R4J6	D4	R6A3	I4
C407	F8	C4A8	G5	C4J1	C4	C681	J3	PIN0040	D4	PIN0252	D5	PIN0458	C5	PN4304	K4	R461	C4	R4K6	D3	R6A4	I3
C409	E7	C4A9	F5	C4J4	D4	C691	D7	PIN0041	D4	PIN0258	G5	PIN0460	C5	PN4305	A6	R462	C4	R4K7	D3	R6A5	I4
C410	E7	C4B0	F4	C4J5	D4	CLK	E6	PIN0042	D4	PIN0259	G5	PIN0462	C5	PN4T1	J1	R464	C4	R4K8	D3	R6G3	A5
C411	E7	C4B1	G5	C4J7	E4	IC401	F7	PIN0043	E4	PIN0260	G5	PIN0464	C5	PN4T2	B3	R472	B4	R4L0	I3	R6G4	A5
C412	E6	C4B2	G5	C4J8	D4	IC403	G7	PIN0045	D4	PIN0262	G5	PIN0473	A3	PN4T3	J2	R473	B4	R4L1	I3	R6X1	D6
C415	D7	C4B3	F5	C4J9	D4	IC404	E6	PIN0050	I3	PIN0270	H4	PIN0475	I6	PN4T4	K2	R474	B4	R4L2	I3	R6X2	D6
C416	D7	C4B4	F5	C4K0	D4	IC407	E6	PIN0051	I3	PIN0271	H4	PIN0476	I6	Q481	E4	R475	A3	R4L3	I3	RXD	E6
C418	K7	C4B5	F5	C4K1	D4	IC408	E6	PIN0052	I3	PIN0273	H4	PIN0477	I6	Q482	E4	R478	A5	R4L4	I3	TP246	A5
C420	K7	C4B6	F5	C4K2	D4	IC409	E6	PIN0053	I3	PIN0274	H4	PIN0480	I6	Q483	I2	R481	A5	R4L6	I3	TP247	A5
C421	D7	C4B7	F4	C4K3	D4	IC410	B5	PIN0054	J2	PIN0275	H4	PIN0513	J8	Q485	E3	R482	A5	R4L7	I3	TP248	A5
C422	F5	C4B8	F5	C4K4	D4	IC414	A3	PIN0057	E7	PIN0277	H4	PIN0514	J8	Q600	J4	R483	A5	R4L8	I3	TP249	A5
C423	F5	C4B9	F5	C4K5	E4	IC419	A5	PIN0058	F8	PIN0279	I4	PIN0515	J8	Q601	J4	R484	A5	R4L9	I3	TP244	D3
C424	F5	C4C1	F4	C4K6	E4	IC4A4	I5	PIN0059	E7	PIN0280	I4	PIN0516	J8	Q602	K4	R490	B6	R4M1	J3	TP400	E8
C430	B3	C4C2	F4	C4K7	E3	IC4A5	G4	PIN0061	D7	PIN0286	I5	PIN0518	I8	Q603	K4	R491	B6	R4M2	J3	TP422	G8
C433	C4	C4C3	F4	C4K8	D4	IC4B1	D4	PIN0062	F5	PIN0288	I4	PIN0521	I8	Q605	K4	R492	A5	R4M4	I3	TP442	D7
C435	C4	C4C4	G4	C4K9	D4	IC4B2	E4	PIN0064	C4	PIN0291	G4	PIN0522	I8	R402	G8	R493	D6	R4M5	J2	TP447	E7
C439	C4	C4C5	G4	C4L1	D4	IC4B3	I2	PIN0065	C4	PIN0298	D4	PIN0523	I8	R408	F6	R494	D6	R4M6	I2	TP452	C4
C440	C4	C4C6	G4	C4L4	I3	IC600	I7	PIN0066	C4	PIN0307	D4	PIN0524	I8	R411	F6	R498	A8	R4M7	I2	TP453	C5
C442	C5	C4C7	G4	C4L5	I3	IC604	D7	PIN0068	A4	PIN0310	E3	PIN0525	I8	R412	D7	R4A1	F5	R4M8	I2	TP455	C5
C446	A4	C4C8	G4	C4L6	I3	IC650	C6	PIN0071	A4	PIN0311	J2	PIN0526	I8	R413	D7	R4A2	G5	R4M9	J3	TP456	C4
C448	C4	C4C9	G4	C4L7	I3	IC653	B7	PIN0072	A4	PIN0312	J2	PIN0528	I8	R414	F6	R4A3	G5	R4N1	K5	TP457	C4
C450	A4	C4D0	H5	C4L8	I3	IC654	C7	PIN0073	A5	PIN0315	J3	PIN0531	I8	R415	F6	R4B2	F4	R4N2	K5	TP458	C4
C451	B4	C4D1	G4	C4M3	J2	IC655	C7	PIN0074	A4	PIN0316	I3	PIN0532	I8	R423	E7	R4B3	F4	R4N3	K5	TP459	C4
C452	B4	C4D5	G4	C4M4	I2	L403	E7	PIN0076	E7	PIN0318	I3	PIN0538	I8	R424	E8	R4B4	G4	R4O1	G4	TP460	C4
C453	A3	C4D8	H5	C4M6	D4	L404	E7	PIN0077	D6	PIN0319	I3	PIN0539	H7	R425	D7	R4B5	G4	R4O6	E3	TP461	C4
C454	B3	C4D9	H5	C4N1	I1	L406	F5	PIN0081	I7	PIN0320	I2	PIN0558	I6	R426	D7	R4B6	G4	R4O8	E5	TP462	C4
C455	A5	C4E0	I5	C4U9	E6	L418	H4	PIN0082	I6	PIN0325	E8	PIN0559	I6	R427	D7	R4B7	G4	R4O9	E5	TP463	C4
C456	A4	C4E1	H5	C5G1	A5	L420	A5	PIN0084	C6	PIN0326	E8	PIN0565	I4	R428	F5	R4D8	H5	R4X5	J4	TP464	B4
C457	A4	C4E3	H5	C5G2	H3	L421	A6	PIN0109	C7	PIN0330	E7	PIN0567	I4	R429	F5	R4E0	G5	R4X7	J4	TP465	B4
C458	A4	C4E4	H4	C5G3	H3	L422	A6	PIN0110	C7	PIN0332	E7	PIN0581	C6	R430	A8	R4E1	I5	R601	I6	TP466	B4
C459	A4	C4E5	H4	C601	I6	L423	A6	PIN0122	J3	PIN0335	E7	PIN0585	B6	R431	B7	R4E2	I5	R603	J7	TP471	B4
C460	A4	C4E6	H4	C602	I6	L424	A7	PIN0124	J3	PIN0337	F6	PIN0586	B6	R432	A7	R4E5	H5	R604	I6	TP472	B4
C461	A4	C4E7	I4	C605	J7	L4A2	H6	PIN0125	J3	PIN0338	F6	PIN0594	C6	R433	B7	R4E6	H5	R605	C6	TP474	B4
C462	A5	C4E8	I5	C607	C6	L4A3	F4	PIN0128	J4	PIN0347	F6	PIN0595	C6	R434	A7	R4E9	H5	R607	C6	TP475	B4
C463	A4	C4E9	I5	C609	B7	L4A4	F4	PIN0140	C8	PIN0348	F6	PIN0596	C6	R435	B7	R4G0	C4	R608	C6	TP476	B4
C466	A5	C4F1	F4	C650	J6	L4A6	G4	PIN0173	G5	PIN0358	E6	PIN0598	C6	R436	A7	R4G1	C3	R609	C6	TP477	B4
C467	A5	C4F4	H4	C651	J7	L4C1	C3	PIN0178	H5	PIN0359	E6	PIN0599	C6	R437	B7	R4G2	I2	R610	C6	TP478	B4
C469	B6	C4F6	H5	C652	B6	P5502	A7	PIN0184	H5	PIN0364	F5	PIN0600	C6	R438	A7	R4G5	E3	R611	C6	TP479	B4
C470	B6	C4F7	I4	C655	J4	P5555	K7	PIN0185	I5	PIN0365	D7	PIN0601	C6	R439	B7	R4G6	E3	R612	C6	TP483	B4
C472	A6	C4G0	D3	C656	J3	PIN0002	F4	PIN0186	H5	PIN0367	D7	PIN0602	C6	R440	B8	R4G7	D3	R622	C6	TP484	A5
C474	B6	C4G1	I2	C657	J4	PIN0005	G4	PIN0187	H5	PIN0368	D7	PIN0613	C7	R441	B8	R4G8	C4	R658	D6	TP481	D4
C476	B6	C4G2	C3	C658	J4	PIN0008	I5	PIN0188	H5	PIN0369	D7	PIN0614	C7	R442	A8	R4G9	C4	R670	D6	TP483	D4
C477	E7	C4G3	C3	C659	J4	PIN0011	D3	PIN0199	H5	PIN0372	H6	PIN0625	E3	R443	K7	R4H1	D4	R671	D6	TP700	F6
C480	D6	C4G4	C3	C660	J3	PIN0012	D3	PIN0202	H5	PIN0375	D7	PIN0632	J4	R445	K7	R4H2	D4	R671	D6	TXD	E6
C482	C4	C4G7	D3	C661	C7	PIN0014	D3	PIN0206	H4	PIN0379	E7	PIN0643	F5	R447	K7	R4H3	D4	R674	D6	X401	E7
C483	C4	C4G8	D3	C662	C7	PIN0015	D3	PIN0213	H4	PIN0380	D6	PIN0652	F5	R448	F5	R4H4	D4	R683	J4	X402	A5
C484	B4	C4H0	C4	C663	B7	PIN0016	D3	PIN0228	G4	PIN0384	E6	PIN0655	C4	R450	C5	R4H5	D4	R685	J4	X4A1	F4
C485	A4	C4H1	D3	C664	B8	PIN0017	D3	PIN0229	G4	PIN0388	E6	PIN0660	B4	R451	C5	R4H7	D4	R686	K4	X600	I6
C486	F5	C4H2	D3	C665	B7	PIN0018	D3	PIN0230	G4	PIN0389	E6	PIN0664	B4	R452	C5	R4J1	D3	R687	K4	ZD401	E7
C493	A5	C4H4	D3	C666	B7	PIN0021	D3	PIN0231	G4	PIN0390	C5	PIN0672	D6	R453	C5	R4J2	D3	R689	K4	ZD600	I3
C4A0	F5	C4H7	C3	C669	B7	PIN0026	D3	PIN0241	F4	PIN0415	A5	PIN0673	I7	R454	C5	R4J3	E4	R6A0	J7		
C4A1	F5	C4H8	C4	C670	C7	PIN0027	D4	PIN0245	D5	PIN0429	B6	PIN0679	A5	R455	C5	R4J4	E4	R6A1	I4		

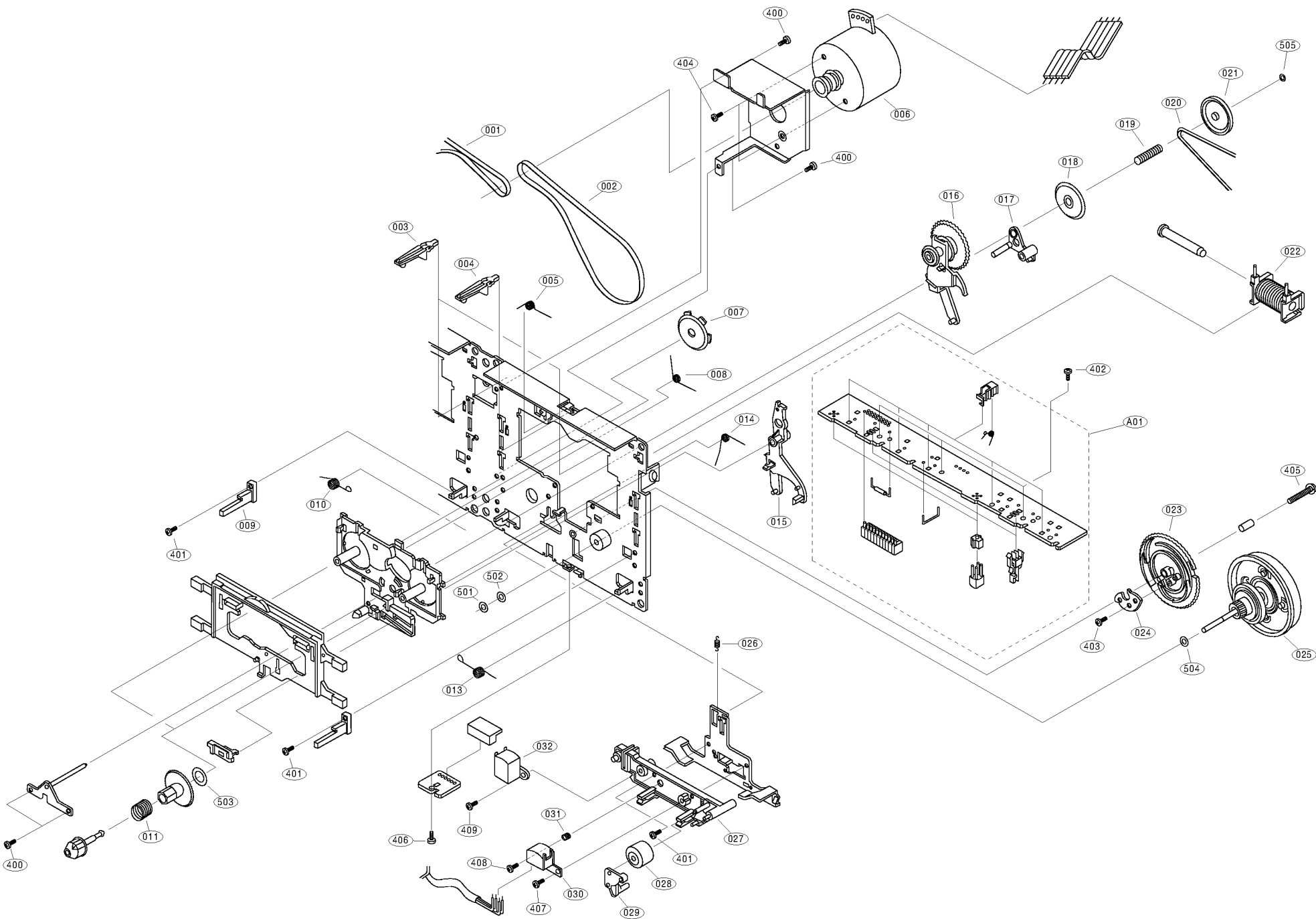
SECTION 4. EXPLODED VIEWS

• CABINET AND MAIN FRAME SECTION

NOTE) Refer to "SECTION 6 REPLACEMENT PARTS LIST" in order to look for the part number of each part.

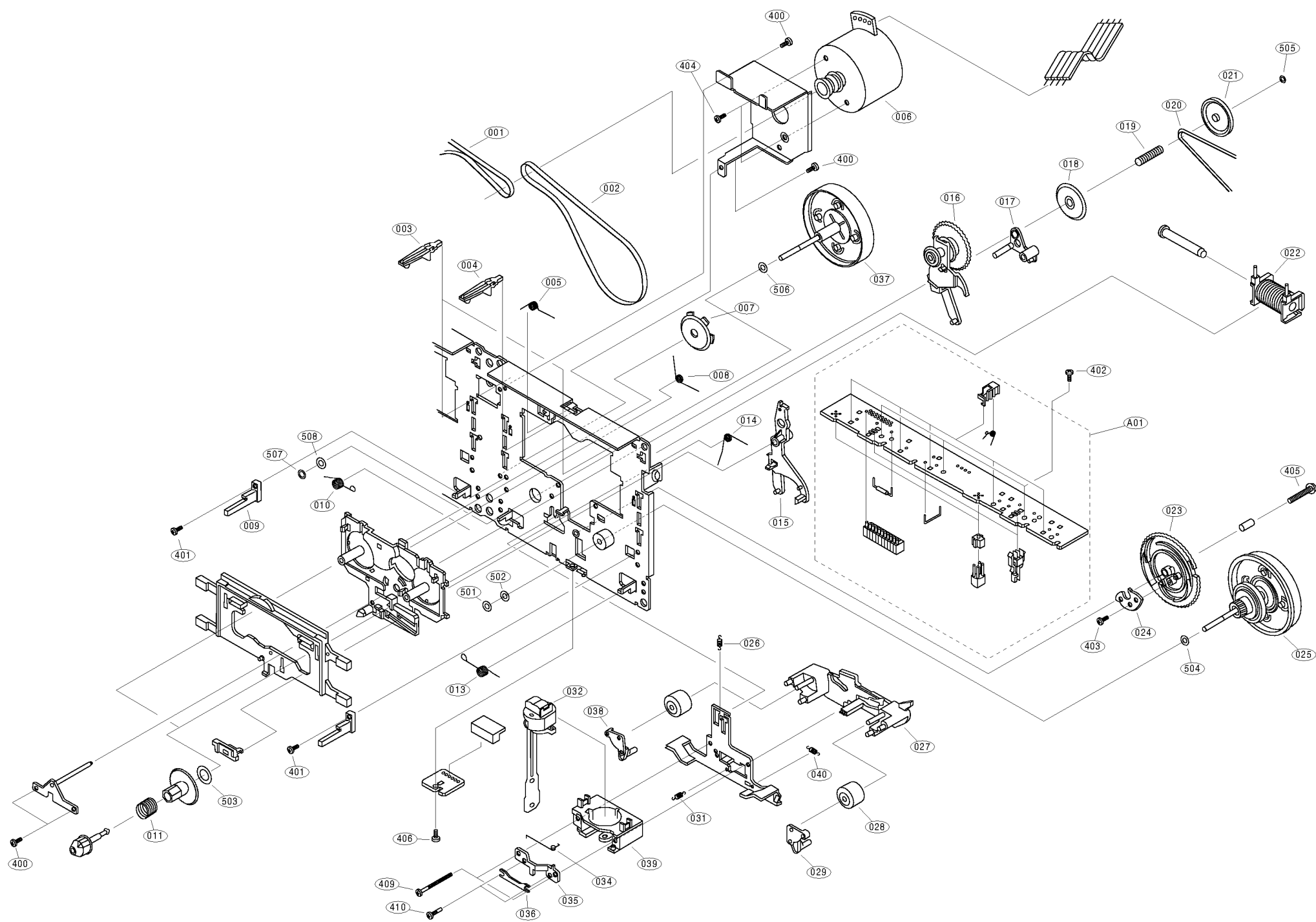


• TAPE DECK MECHANISM: AUTO STOP DECK(OPTIONAL)



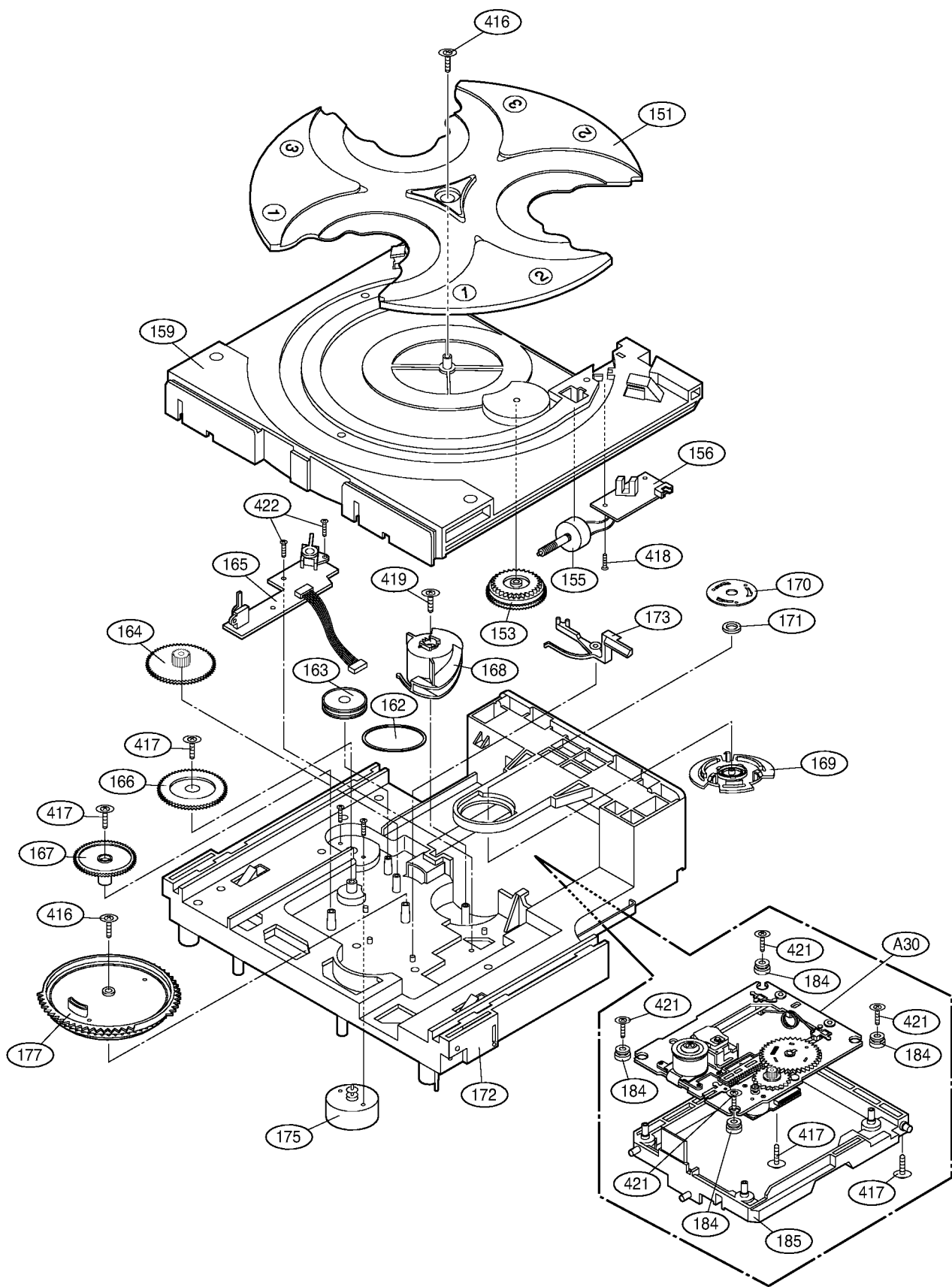
LOCA. NO	PART NO.	SPECIFICATION
A00	6730R-G007A	CWL44FF25 TOKYO PIGEON L-DOUBL
A01	6768R-UP01A	50-093-4249 PIGEON UNIT PCB AS
001	6768R-BP01B	02-084-4202 PIGEON BELT / FELT C
002	6768R-BP01A	02-084-4204 PIGEON BELT / FELT C
003	6768R-AP01D	50-239-4027 PIGEON ARM CWL44
004	6768R-AP01E	50-239-4026 PIGEON ARM CWL44
005	6768R-SP01E	01-082-4599 PIGEON SPRING CWL4
006	6768R-QP01A	50-093-4316 PIGEON MOTOR(ASSY)
007	6768R-GP01A	50-093-4063 PIGEON GEAR CWL44
008	6768R-SP01F	01-082-4598 PIGEON SPRING CWL4
009	6768R-MP01C	50-219-4014 PIGEON MOLD CWL44
010	6768R-SP01C	01-082-4652 PIGEON SPRING CWL4
011	6768R-SP01A	01-081-4601 PIGEON SPRING CWL4
013	6768R-SP01B	01-082-4651 PIGEON SPRING CWL4
014	6768R-SP01G	01-082-4597 PIGEON SPRING CWL4
015	6768R-AP01A	50-268-3016 PIGEON ARM CWL44
016	6768R-GP01C	50-093-4069 PIGEON GEAR CWL44
017	6768R-AP01C	50-239-4072 PIGEON ARM CWL44
018	6768R-GP01D	50-222-4007 PIGEON GEAR CWL44
019	6768R-SP01H	01-081-4657 PIGEON SPRING CWL4
020	6768R-BP01C	02-083-4188 PIGEON BELT / FELT C
021	6768R-LP01A	50-223-4254 PIGEON PULLEY / FLYW
022	6768R-VP01A	50-093-4125 PIGEON SOLENOID CW
023	6768R-GP01B	50-221-3009 PIGEON GEAR CWL44
024	6768R-AP01B	50-139-4292 PIGEON ARM CWL44
025	6768R-JP01B	50-093-3361 PIGEON PULLEY / FLYW
026	6768R-SP01D	01-080-4609 PIGEON SPRING CWL4
027	6768R-MP01B	50-093-3036 PIGEON MOLD CWL44
028	6768R-RP01A	22-027-41054 PIGEON ROLLER CWL
029	6768R-MP01A	50-219-4033 PIGEON MOLD CWL44
030	6768R-HP01A	TC881CB067B PIGEON HEAD CWL44
031	6768R-SP01J	01-081-4605 PIGEON SPRING CWL4
032	6768R-HP01B	TC231F PIGEON HEAD CWL44
033	6768R-JP01A	50-093-3360 PIGEON PULLEY / FLYW
400	6768R-CP01A	GSE10A2003 PIGEON SCREW CWL44
401	6768R-CP01B	GSE20A2005 PIGEON SCREW CWL44
402	6768R-CP01C	GSE10A2004 PIGEON SCREW CWL44
403	6768R-CP01D	GSL10A1704 PIGEON SCREW CWL44
404	6768R-CP01E	GSP10A2603 PIGEON SCREW CWL44
405	6768R-CP01F	GSP11A2012 PIGEON SCREW CWL44
406	6768R-CP01G	GSE20A2004 PIGEON SCREW CWL44
407	6768R-CP01H	GSL20A2005 PIGEON SCREW CWL44
408	6768R-CP01J	03-300-4127 PIGEON SCREW CWL44
409	6768R-CP01K	GSL20A2008 PIGEON SCREW CWL44
501	6768R-WP01A	GWM19S035035 PIGEON WASHER CWL
502	6768R-WP01B	GWM17S050035S PIGEON WASHER CW
503	6768R-WP01C	GWM40X075010 PIGEON WASHER CWL
504	6768R-WP01D	GWP21X045020 PIGEON WASHER CWL
505	6768R-WP01E	GWP12X030040S PIGEON WASHER CW

• TAPE DECK MECHANISM: AUTO REVERSE DECK



LOCA. NO	PART NO.	SPECIFICATION
A00	6730R-G007B	CDM-H1323 CD CHAN
A01	6768R-UP01A	50-093-4249 PCB AS
001	6768R-BP01B	02-084-4202 BELT/FELT
002	6768R-BP01A	02-084-4204 BELT/FELT
003	6768R-AP01D	50-239-4027 CWL44
004	6768R-AP01E	50-239-4026 ARM
005	6768R-SP01E	01-082-4654 SPRING
006	6768R-QP01A	50-093-4316 MOTOR
007	6768R-GP01A	50-093-4063 GEAR
008	6768R-SP01F	01-082-4598 SPRING
009	6768R-MP01C	50-219-4014 MOLD
010	6768R-SP01C	01-082-4652 SPRING
011	6768R-SP01A	01-081-4601 SPRING
013	6768R-SP01B	01-082-4651 SPRING
014	6768R-SP01G	01-082-4597 SPRING
015	6768R-AP01A	50-268-3016 ARM
016	6768R-GP01C	50-093-4069 GEAR
017	6768R-AP01C	50-239-4072 ARM
018	6768R-GP01D	50-222-4607 GEAR
019	6768R-SP01H	01-081-4657 SPRING
020	6768R-BP01C	02-083-4188 BELT/FELT
021	6768R-LP01A	50-223-4254 PULLEY
022	6768R-VP01A	50-093-4125 SOLENOID
023	6768R-GP01B	50-221-3009 GEAR
024	6768R-AP01B	50-139-4292 ARM
025	6768R-JP01B	50-093-3361 PULLEY
026	6768R-SP01D	01-080-4609 SPRING
027	6768R-DP01A	50-259-3342 LEVER
028	6768R-RP01A	22-027-41054 ROLLER
029	6768R-MP01A	50-219-4033 MOLD
031	6768R-SP01L	01-080-4649 SPRING
032	6768R-EP01A	50-093-4070 HEAD AY
033	6768R-JP01A	50-093-3360 PULLEY
034	6768R-SP01K	01-082-4650 SPRING
035	6768R-PP01A	50-119-4046 PRESS
036	6768R-PP01B	50-160-4108 PRESS
037	6768R-JP01C	50-093-3315 PULLEY
038	6768R-MP01D	50-219-4034 MOLD
040	6768R-SP01M	01-080-4607 SPRING
400	6768R-CP01A	GSE10A2003 SCREW
401	6768R-CP01B	GSE20A2005 SCREW
402	6768R-CP01C	GSE10A2004 SCREW
403	6768R-CP01D	GSL10A1704 SCREW
404	6768R-CP01E	GSP10A2603 SCREW
405	6768R-CP01F	GSP11A2012 SCREW
406	6768R-CP01G	GSE20A2004 SCREW
409	6768R-CP01L	GSD10A2018 SCREW
410	6768R-CP01M	03-300-4056 SCREW
501	6768R-WP01A	GWM19S035035 WASHER
502	6768R-WP01B	GWM17S050035S WASHER
503	6768R-WP01C	GWM40X075010 WASHER
504	6768R-WP01D	GWP21X045020 WASHER
505	6768R-WP01E	GWP12X030040S WASHER
506	6768R-WP01H	GWP23X040020 WASHER
507	6768R-WP01F	GWN21X040040 WASHER
508	6768R-WP01G	GWM19X055035S WASHER

• CD MECHANISM



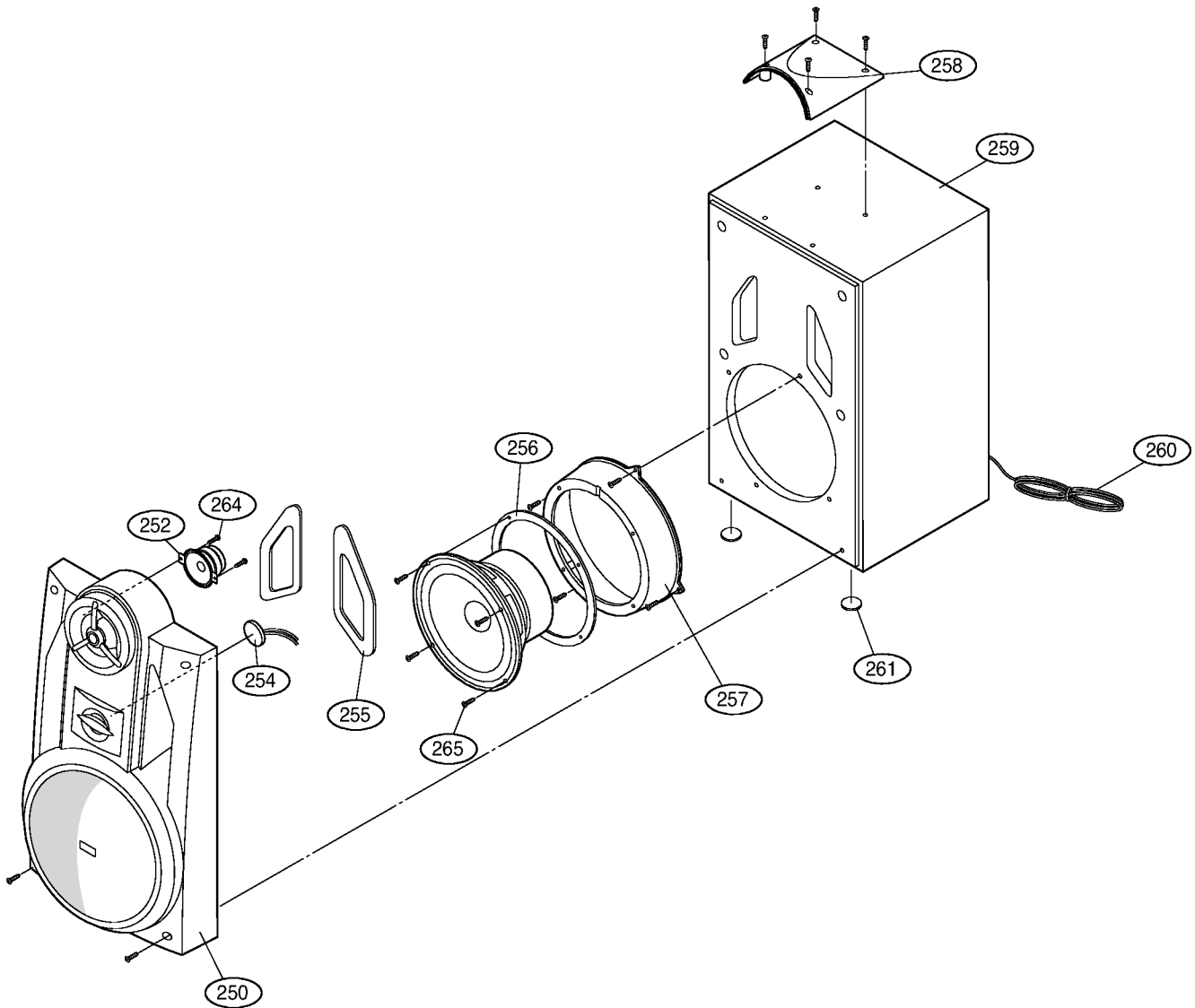
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LOCA.NO	PART NO	DESCRIPTION	SPECIFICATION
A00	4405RCS004A	MECHANISM ASSEMBLY	DVM-H1503 HZ DVD 3 CHANGER
A26	4405RCS005A	MECHANISM ASSEMBLY	DVM-H1503 HZ DVD CHANGER
A30	3041RBD001A	BASE ASSEMBLY	PU(DVM-H1503) -HZ
A35	3041R-0029G	BASE ASSEMBLY	SLED(DP4RS,BLDC) -HZ
151	3390RB0002A	TRAY	DISC(CDM-H1503)
153	4470RB0005A	GEAR	TRAY (CDM-H1503)
155	4681RBA001A	MOTOR ASSEMBLY	TRAY (CDM-H1503)
156	6871RF9211A	PWB(PCB) ASSEMBLY,FRONT	1503 T/D SENSOR
159	3390RB0001A	TRAY	LOADING(CDM-H1503)
162	4400SB0001A	BELT	MAIN(CDM-H1303)
163	4470SB0003A	GEAR	PULLEY (CDM-H1303)
164	4470RB0003A	GEAR	LOADING (CDM-H1503)
165	6871RF9212A	PWB(PCB) ASSEMBLY,FRONT	CDM-H1503 OP/CLUP/DW
166	4470RB0006A	GEAR	PU UP (CDM-H1503)
167	4470RB0007A	GEAR	PU DOWN (CDM-H1503)
168	4470RB0002A	GEAR	CAM (CDM-H1503)
169	4860R-0022A	CLAMP	UPPER(DVM-H1503)
170	3300R-0547A	PLATE	CLAMP
171	5016H-1016B	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)
172	3040RB0005A	BASE	MAIN (CDM-H1503)
173	4510RB0001A	LEVER	S/W CLOSE
175	4680SBP001A	MOTOR(MECH)	OTHER ...
177	4470RB0001A	GEAR	MAIN (CDM-H1503)
184	5040R-0047D	RUBBER	DAMPER(HARDNESS=30),DARKGREEN
185	3040RB0004A	BASE	PU(DVM-H1304)
186	5040R-0047B	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO
416	88H-0004	CD MECHA PARTS	3X12X12FNM
417	88H-0002	CD MECHA PARTS	3X9X12FZMY
417	88H-0002	CD MECHA PARTS	3X9X12FZMY
418	353-025BAAA	SCREW	#NAME?
419	88H-0003	CD MECHA PARTS	3X12X10FZMY
420	353S353F	SCREW	#NAME?
421	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM
422	353-028H	SCREW	#NAME?

SECTION 5. SPEAKER SECTION

MODEL: LMS-K2530V



RUN DATE : 30.APRIL.2003

LOCA.NO.	PART NO	DESCRIPTION	SPECIFICATION	REMARKS
250	3720RMF048A	"PANEL,FRONT"	SPK LMS-K5530/LMS-730 MOLD ST	
252	6400RMTA01C	"SPEAKER,TWEETER"	F20T-D362 TOPTONE TWEETER(CONE	
253	6400WTTJ04A	"SPEAKER,WOOFER"	F65C-D373 TOPTONE WOOFER (LMS-	
254	6400RMXY02B	"SPEAKER,FULLRANGE"	"PIEZO 20(Y) FLAT,WIRE 150MM SH"	
255	4766RM0034A	FELT	1T (DUCT) BLACK LMS-K5530V	
256	4766SMN029A	FELT	"WOOFER,FE-717E, BLACK"	
257	4350SM0012A	RING	WOOFER(FE-717E)	
258	3110RMP015A	CASE	LMS-K5530V/LMS-730 MOLD TOP CA	
259	3091RMW057A	CABINET ASSEMBLY	SPK LMS-K5530V CABINET ASSY	
260	6871RU9270A	"PWB(PCB) ASSEMBLY,SUBSET(AUDIO"	LMS-K5530V 1.75UF + POSITIVE N	
261	3610RM0005A	FOOT	EVA PHI 20 X 2T FE-986/886E ST	
264	353M025V	"SCREW,DRAWING"	+ 2 D3.0 L6.0 MSWR3/FZB	
265	353M050C	SCREW	BH 3.5X16 FBK	

[illegible]