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SECTION 1. GENERAL

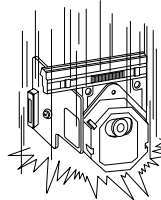
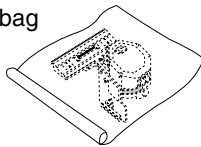
SERVICING PRECAUTIONS

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.

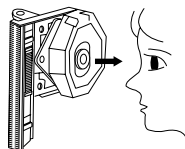
Storage in conductive bag



Drop impact

2. Repair notes

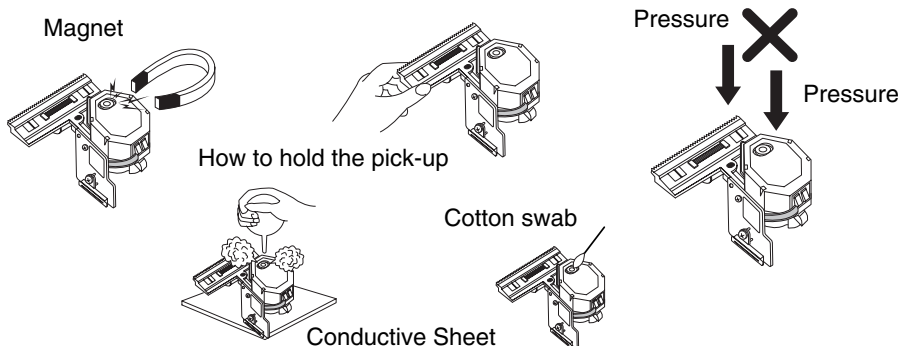
- 1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
- 2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational 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.

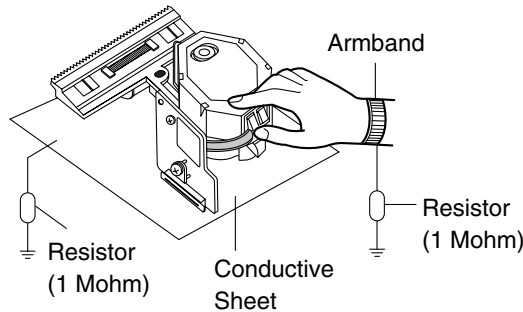
NOTES REGARDING COMPACT DISC PLAYER REPAIRS

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 (1M Ω)
- 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.



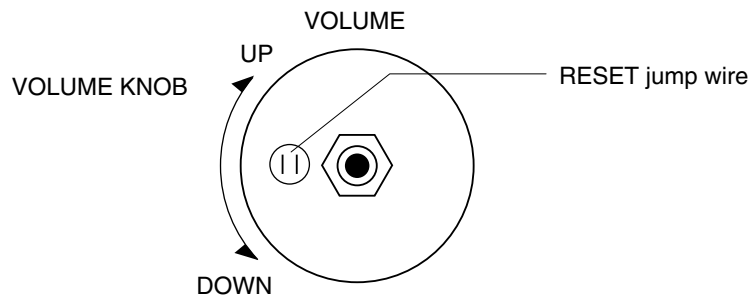
CLEARING MALFUNCTION

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.

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 modify 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

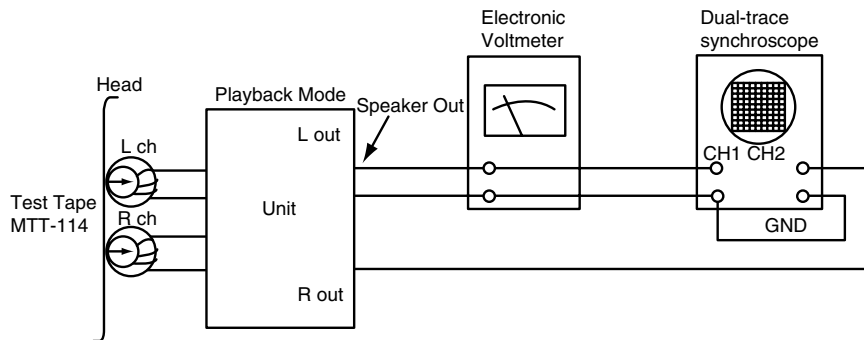


Figure 1. Azimuth Adjustment Connection Diagram

2. MOTOR SPEED ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Normal Speed	MTT-111	Speaker Out	VR201	3kHz \pm 1%	A Deck
HI-Speed	MTT-111	Speaker Out	more than 5.4kHz		HI-Speed Dubbing Mode

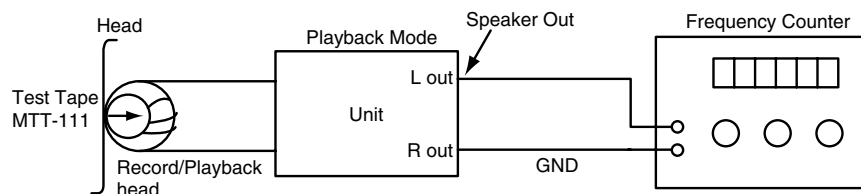


Figure 2. Motor Speed Adjustment Connection Diagram

3. RECORD BIAS ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Rec/Pause	MTT-5511	ERASE HEAD WIRE(PN202)	L203	60kHz±5kHz (Auto stop) 85kHz±5kHz(Auto Reverse)

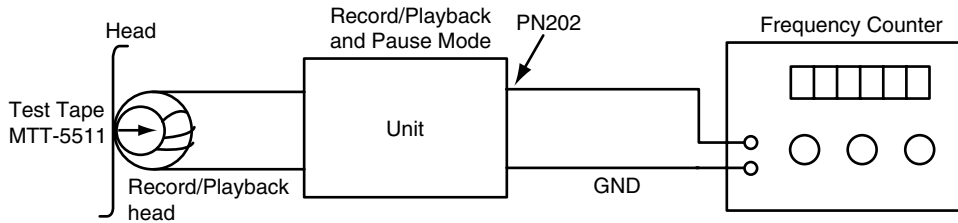


Figure 3. Record Bias Adjustment Connection Diagram

4. TUNER ADJUSTMENT

(FM)

Item	Test Point	Adjustment	Adjust for
DC Voltage	Checker IC Pin 26, 28	L106	0V±50mV

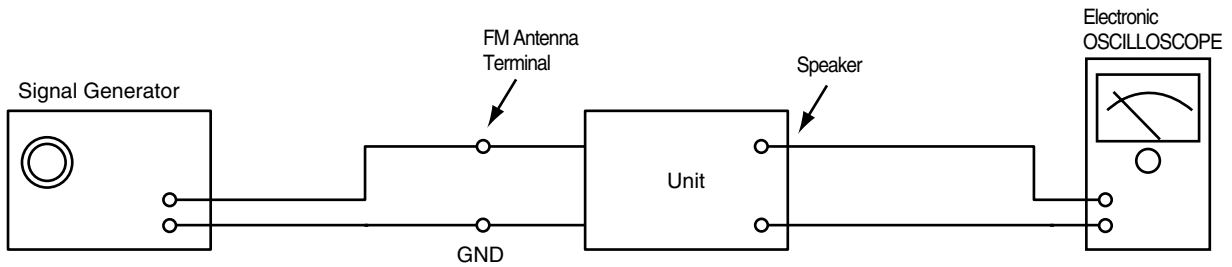
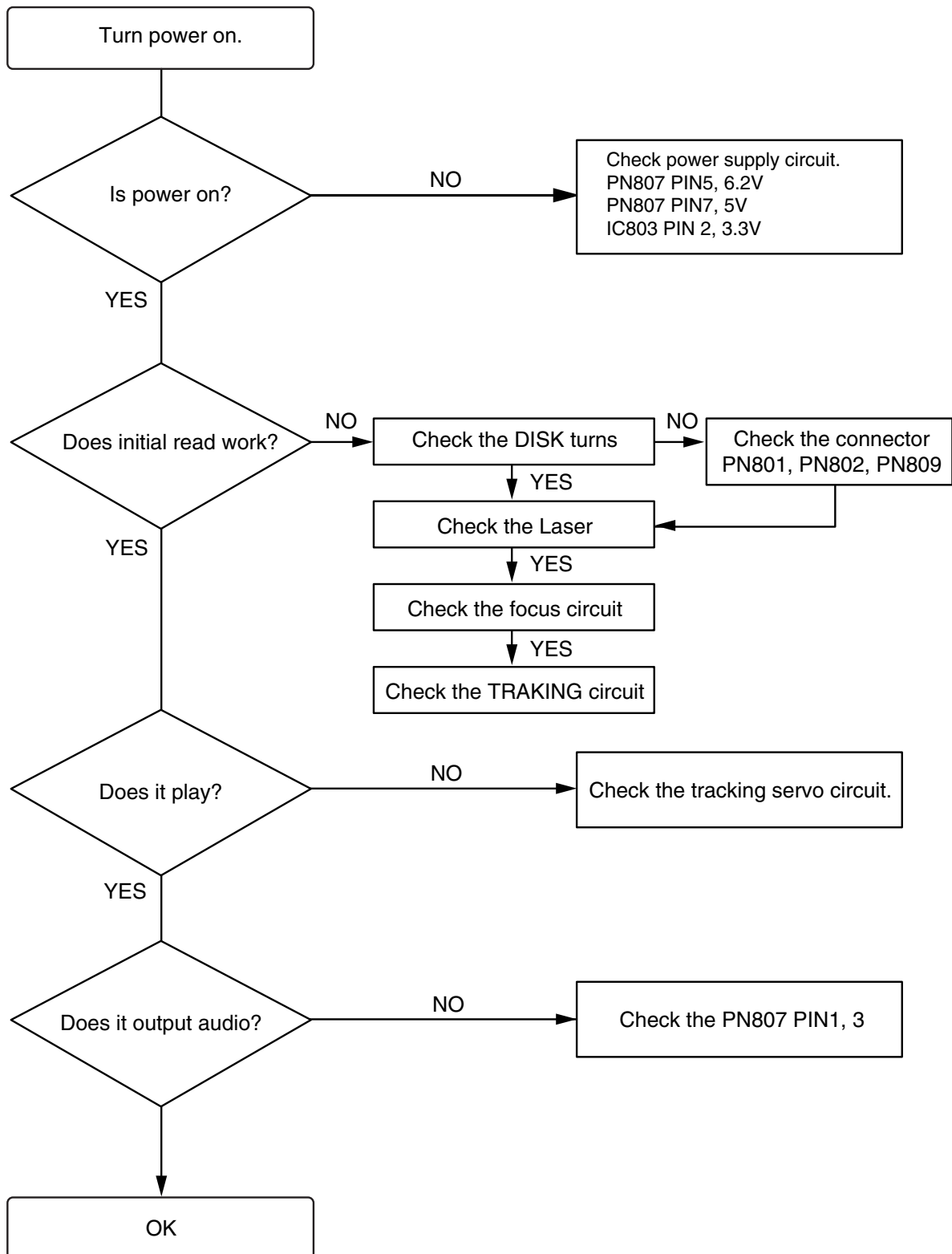
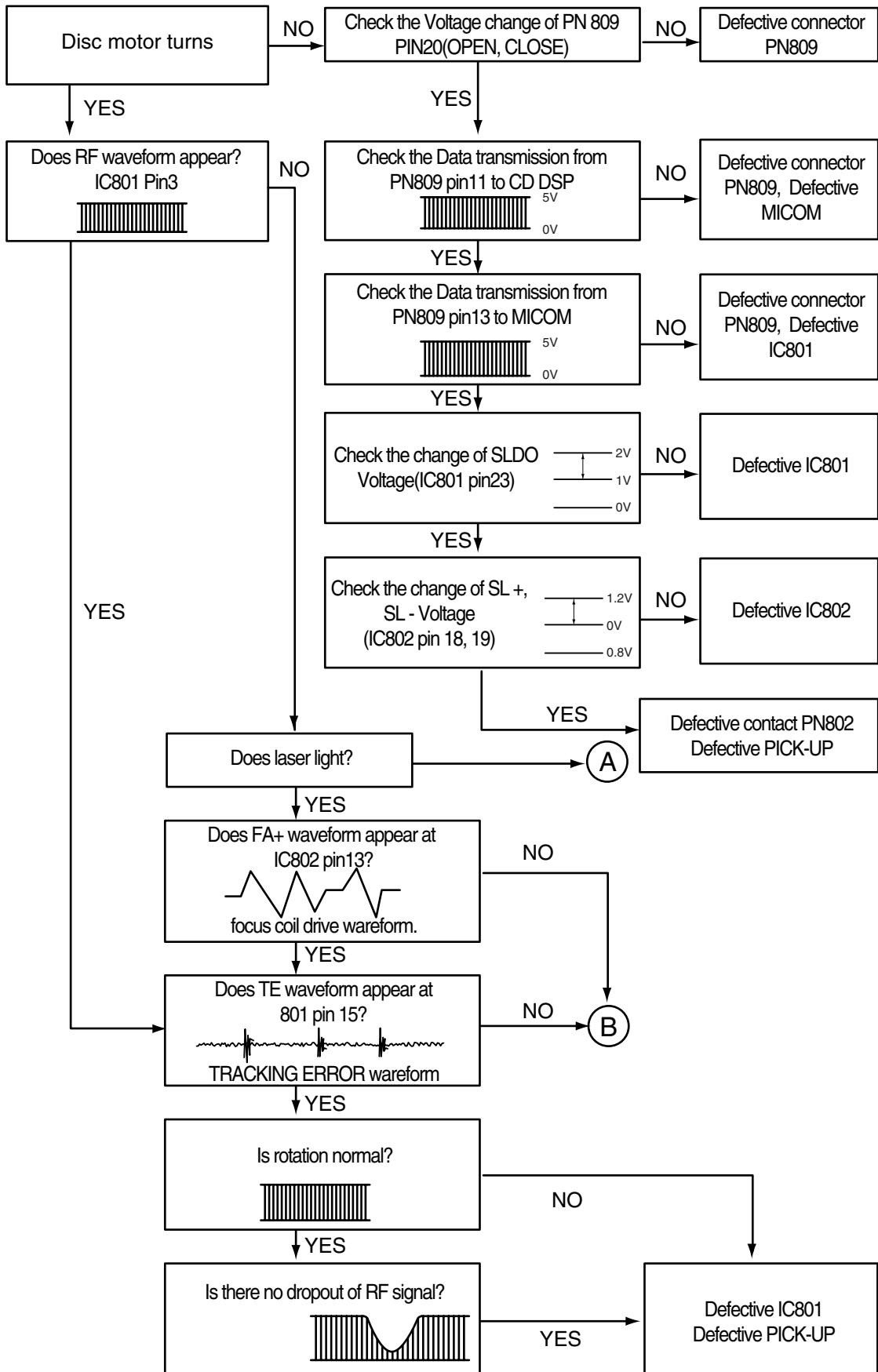


Figure 4. Tuner(S curve) Adjustment Connection Diagram

TROUBLESHOOTING

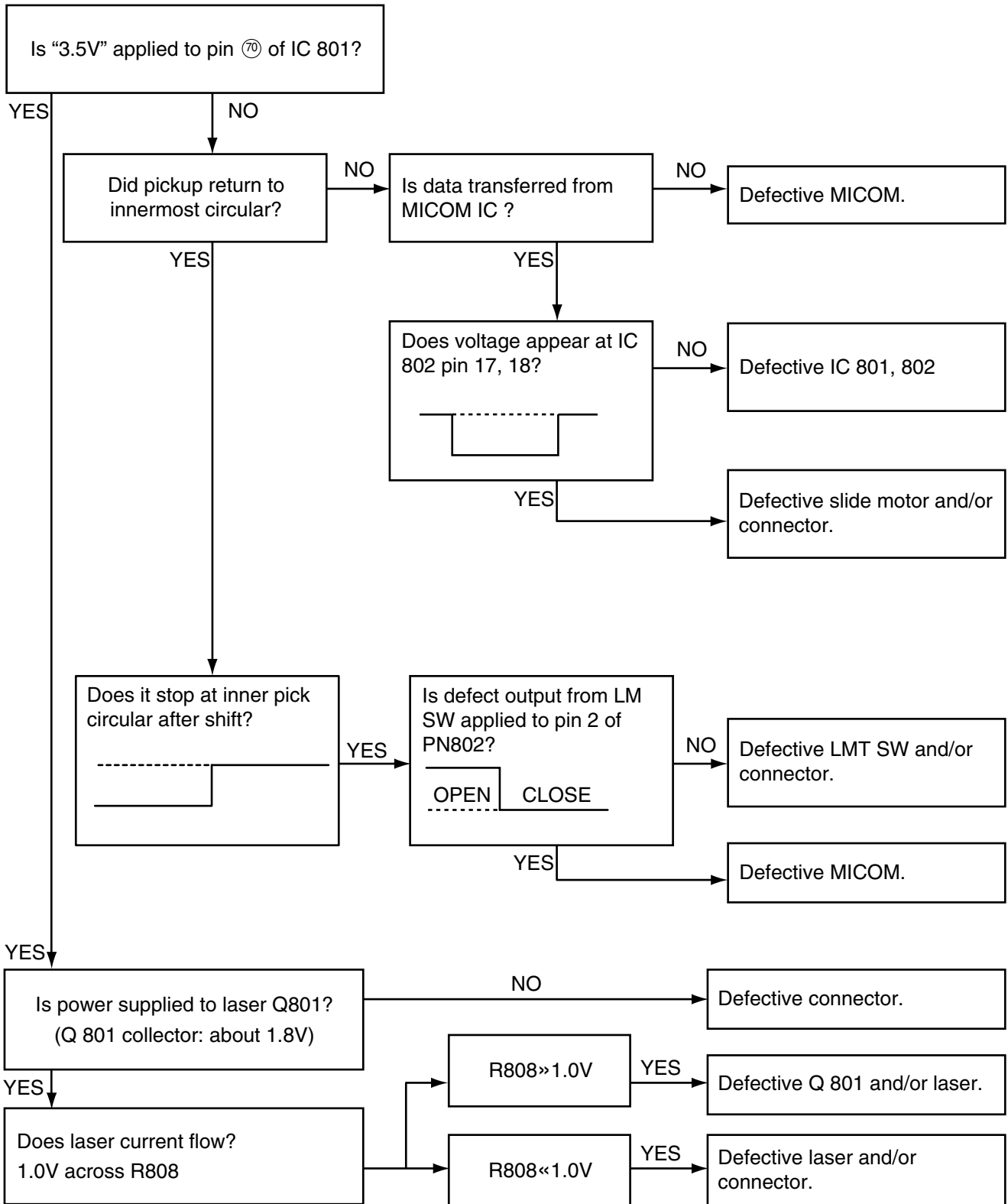


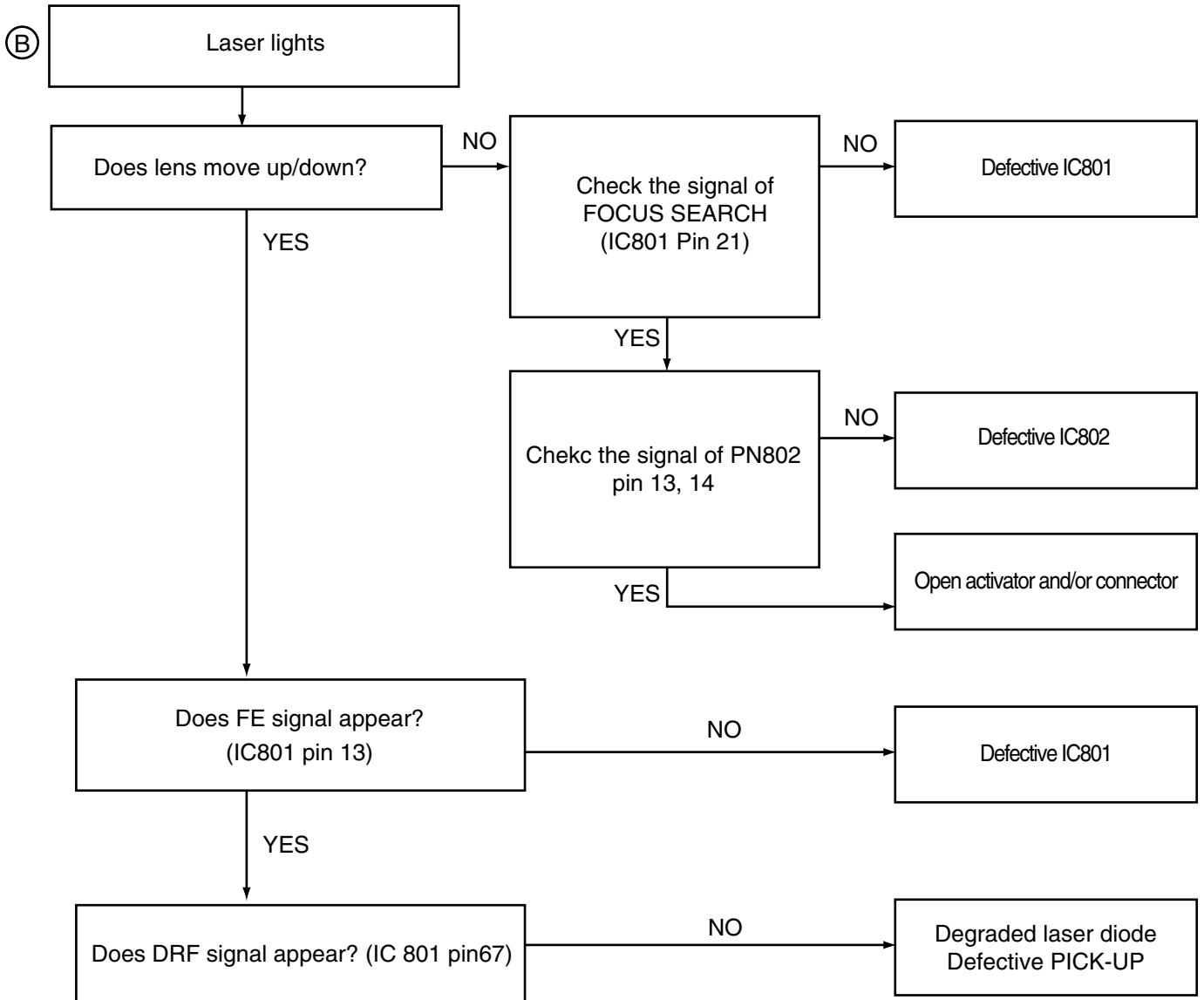
Fails to initial read



Ⓐ

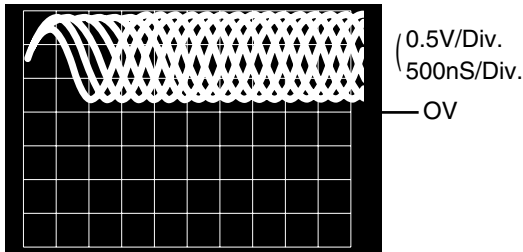
Laser does not light.



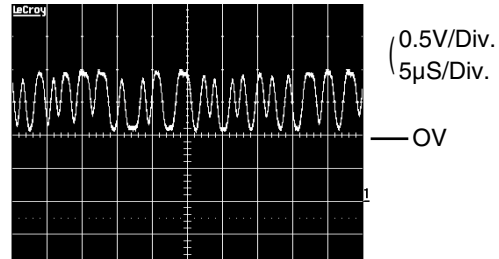


WAVEFORMS OF MAJOR CHECK POINT

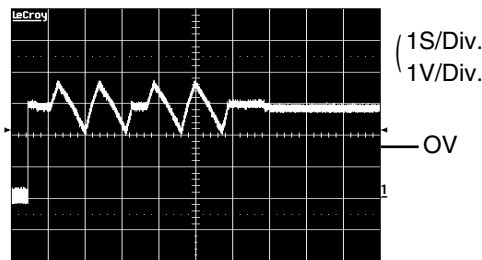
1. HF signal (RF signal) waveform (IC801 pin 3) during normal play



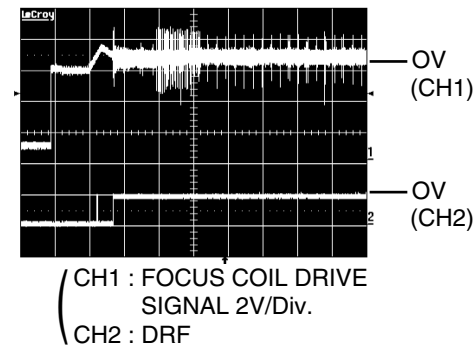
2. EFM signal (IC801 pin 3) waveform during Normal Play



3. Focus coil drive waveform(IC802 pin13)
• When focus search failed or there is no disc on the tray

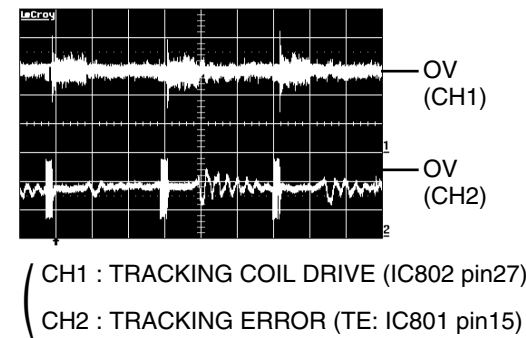


• Focus coil drive waveform(FDO: IC801 pin21) and DRF(IC801 pin67) when focus search is accomplished

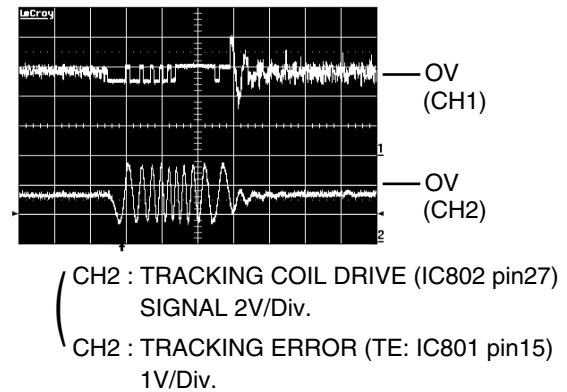


4. Tracking coil drive waveform and TE during track traverse

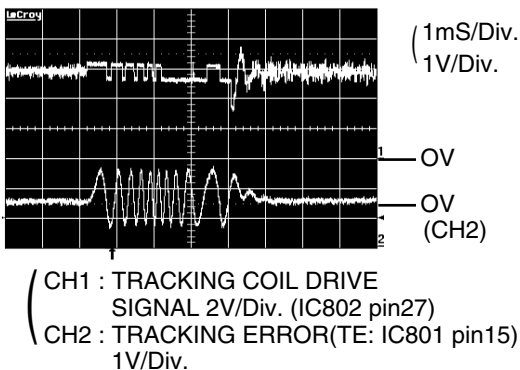
(1) When time division is 20mS/Div. 1V/Div.



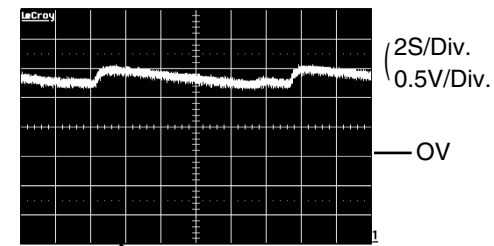
(2) When time division 1mS/Div, 1V/Div (During forward track traverse)



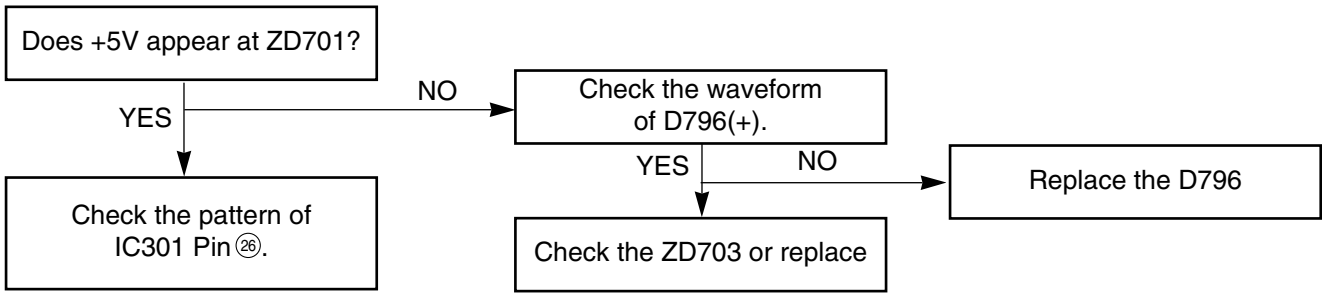
(3) When time division is 0.5nS/div. (During backward Track Traverse)



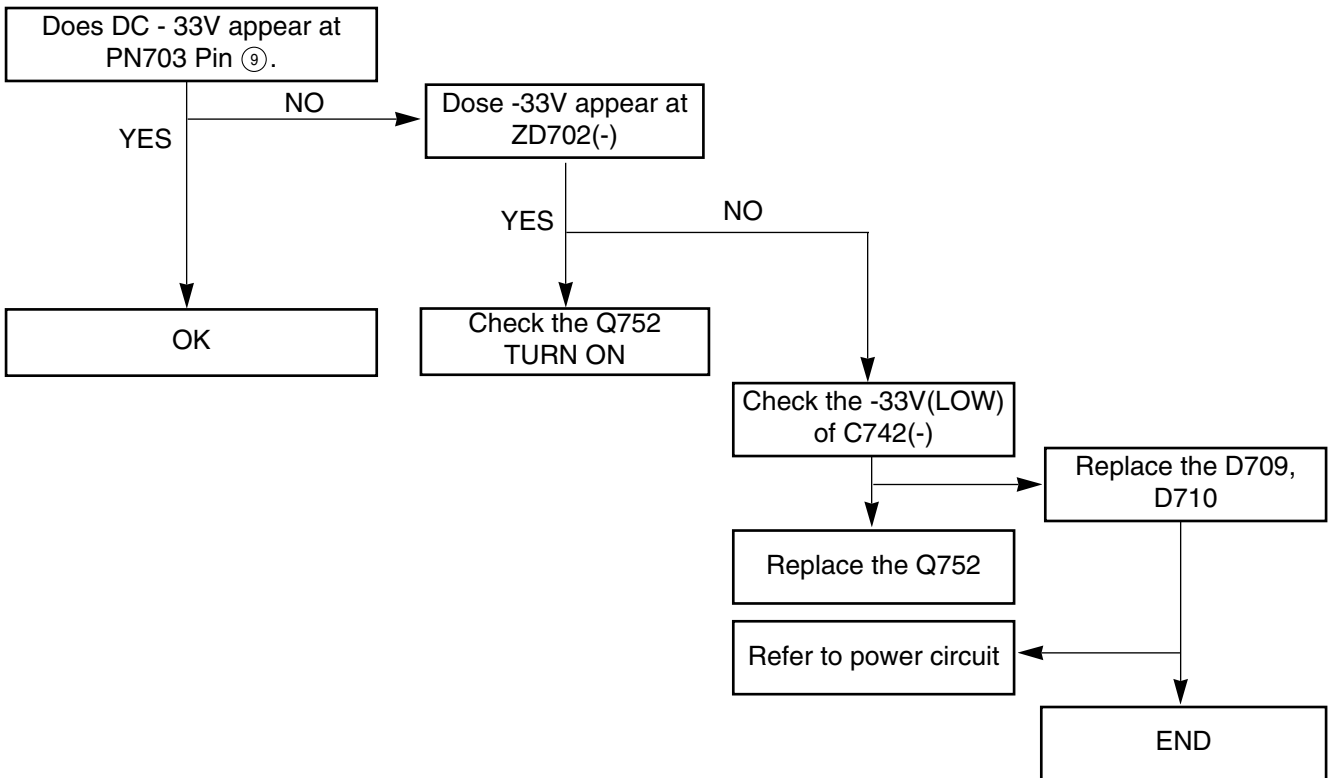
5. Feed motor drive waveform(IC 802 pin18) During normal play



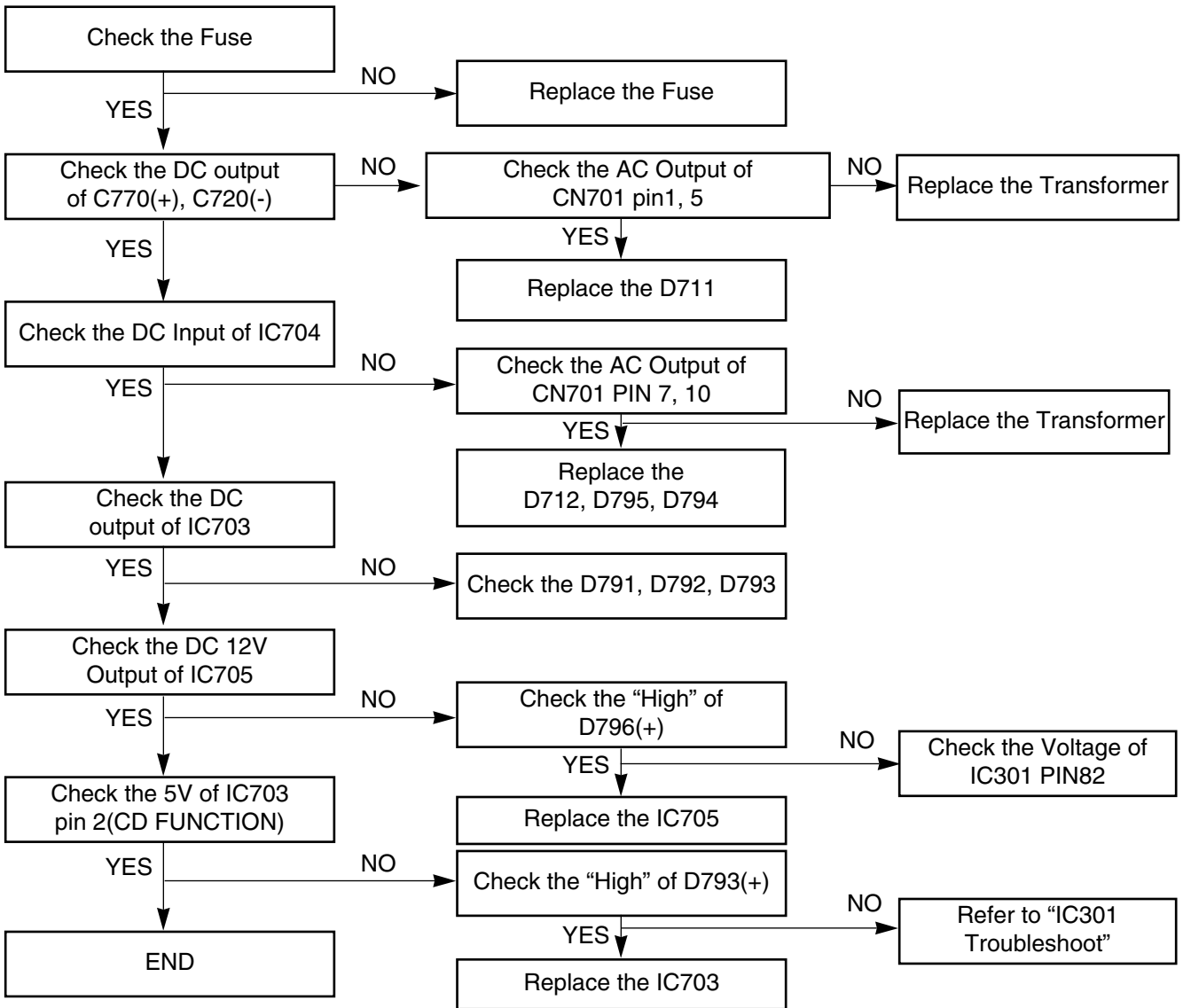
P-SENS PART



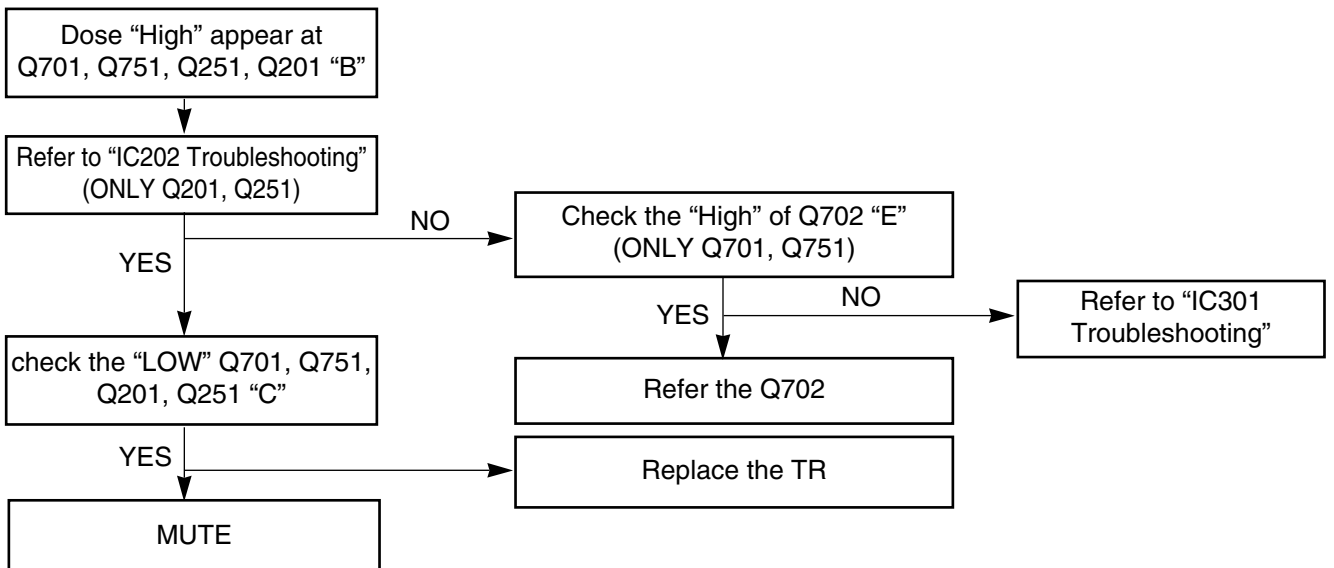
VKK PART



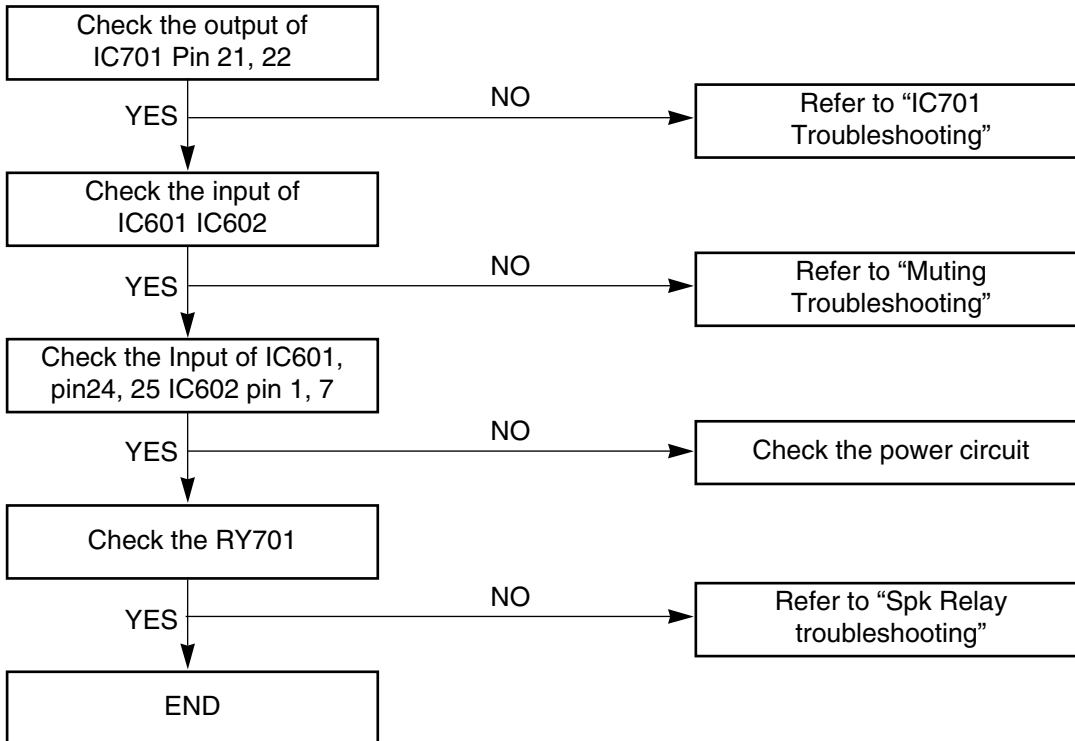
Power Circuit



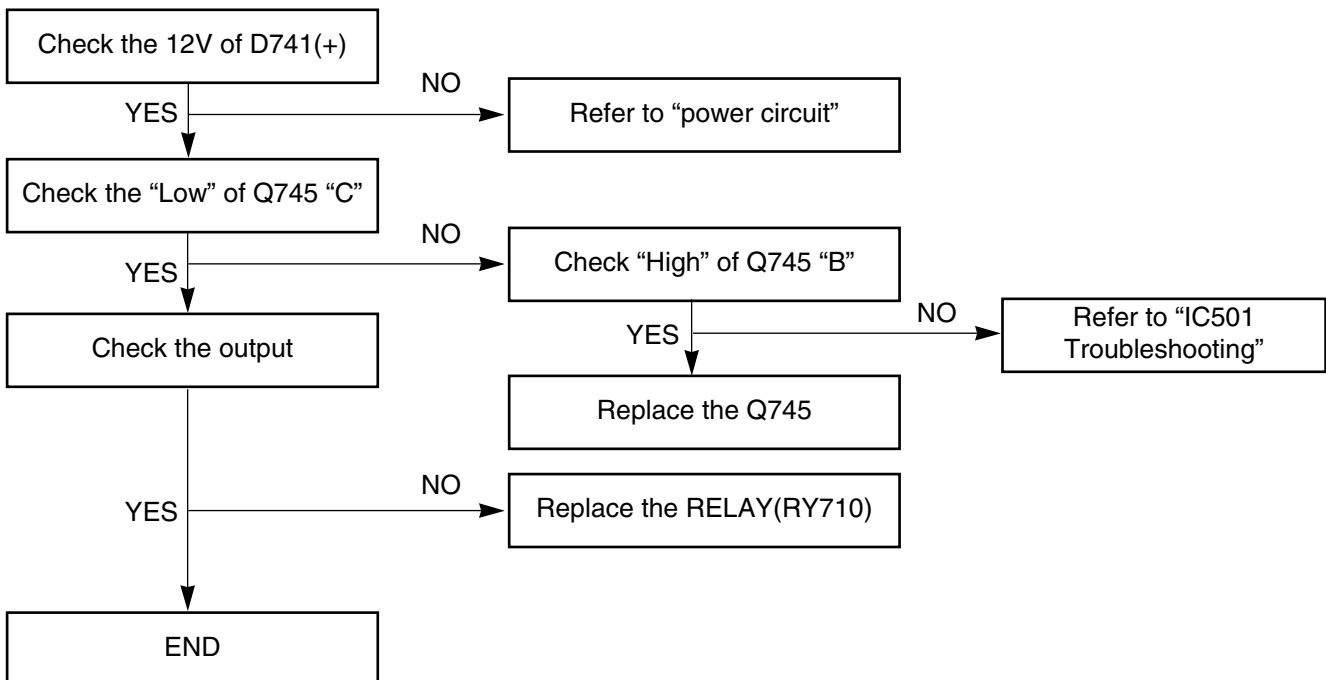
Muting circuit (MUTE)



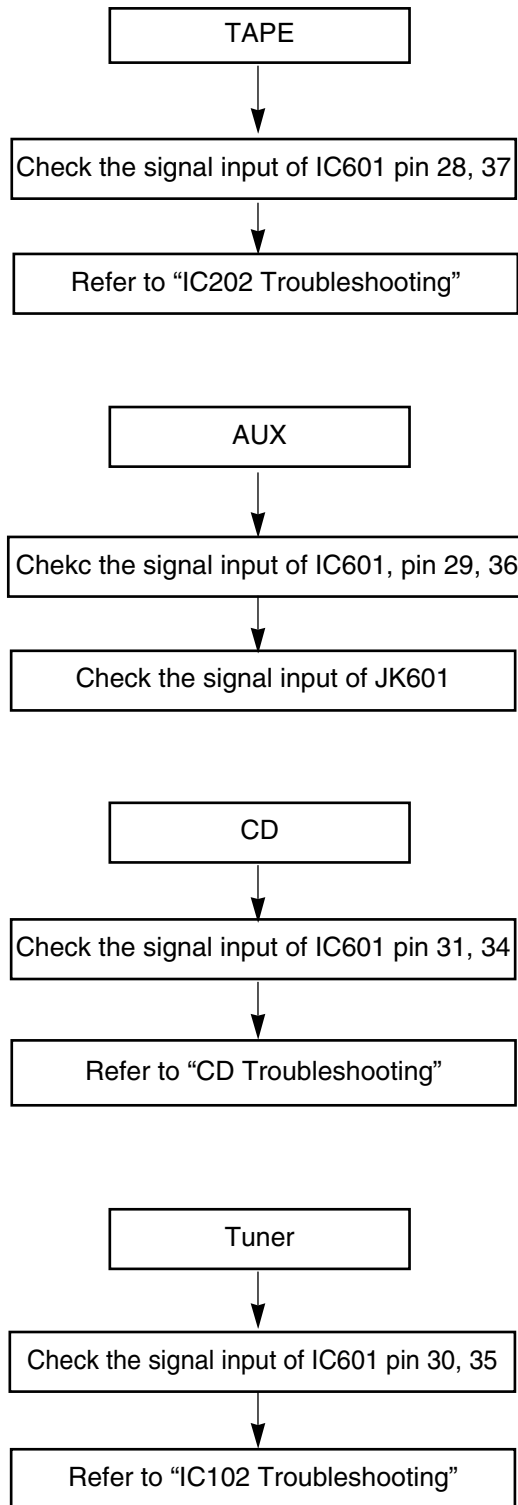
Audio abnormal



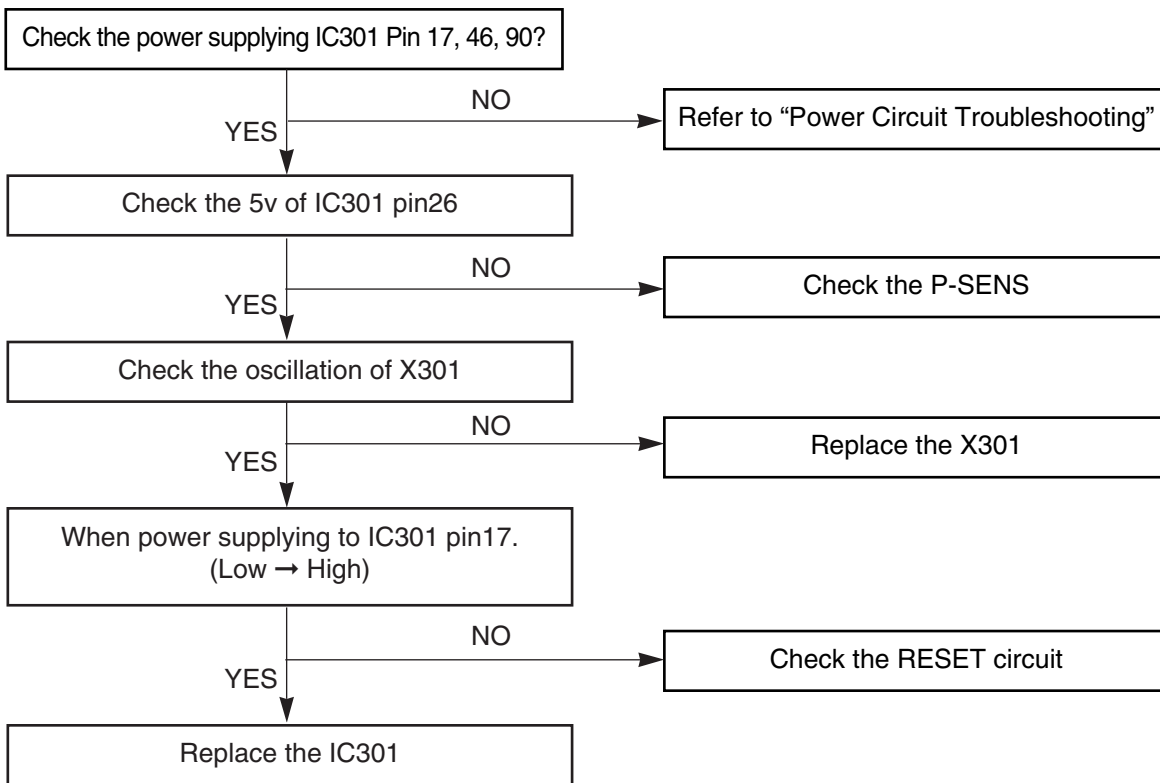
SPK Relay Troubleshooting



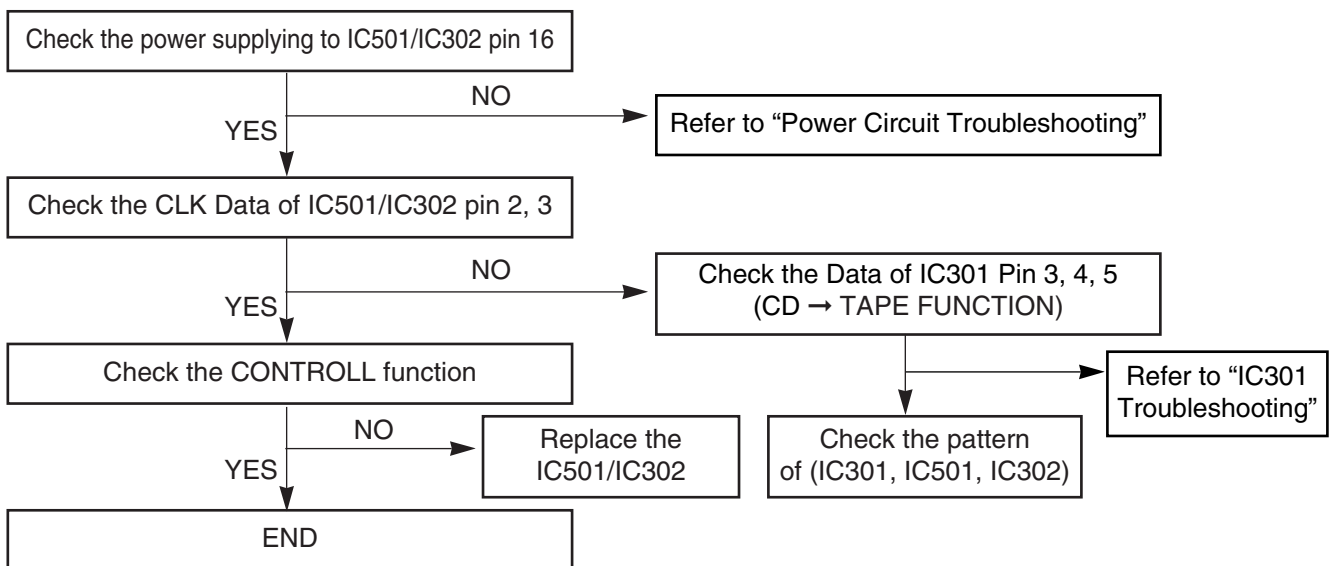
FUNCTION MODE Audio abnormal



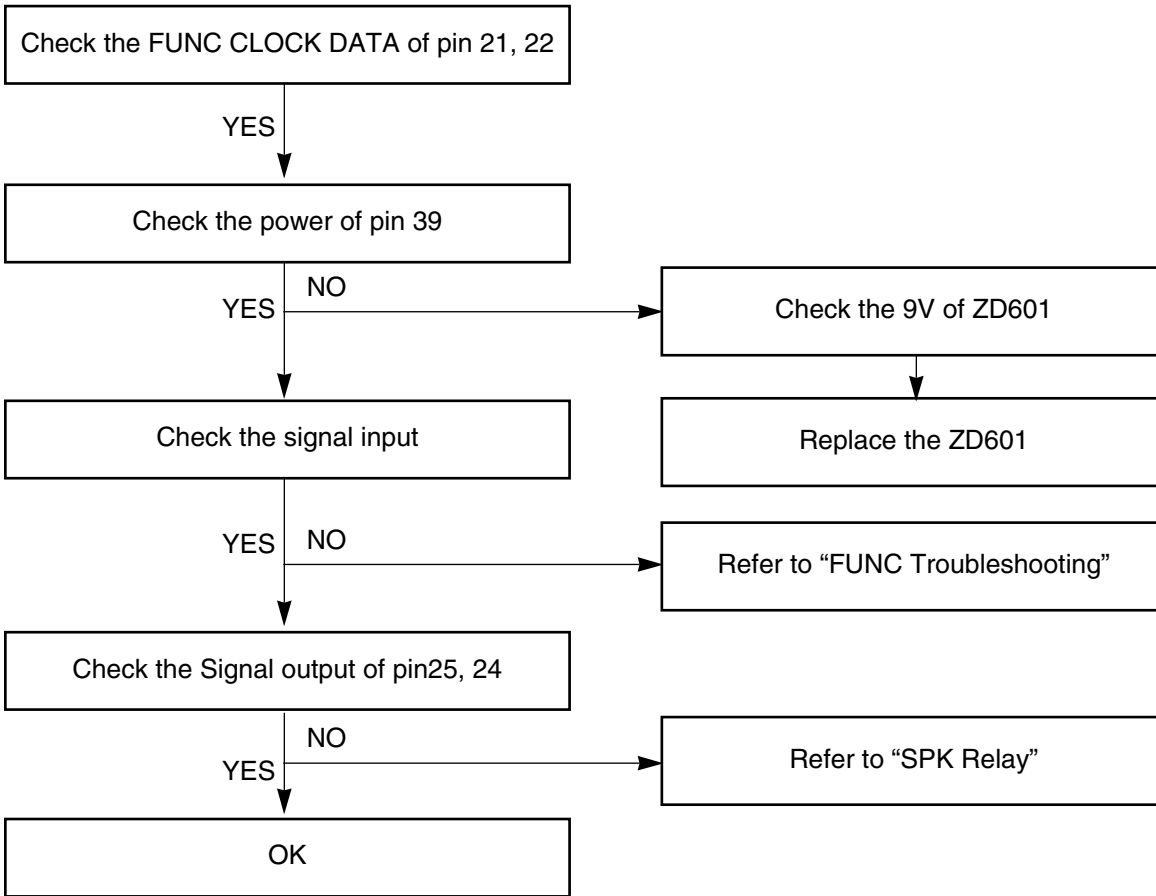
IC301 Troubleshooting



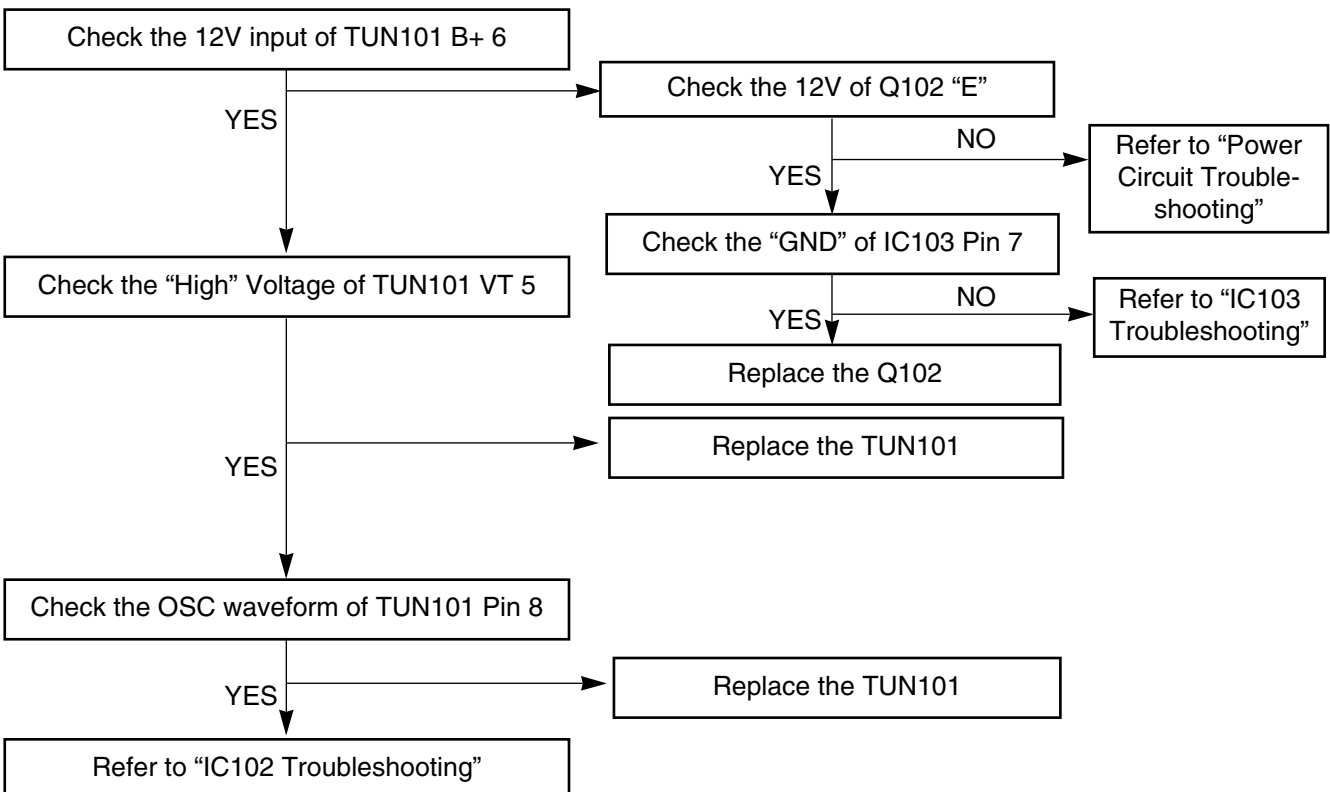
IC501, IC302 Troubleshooting



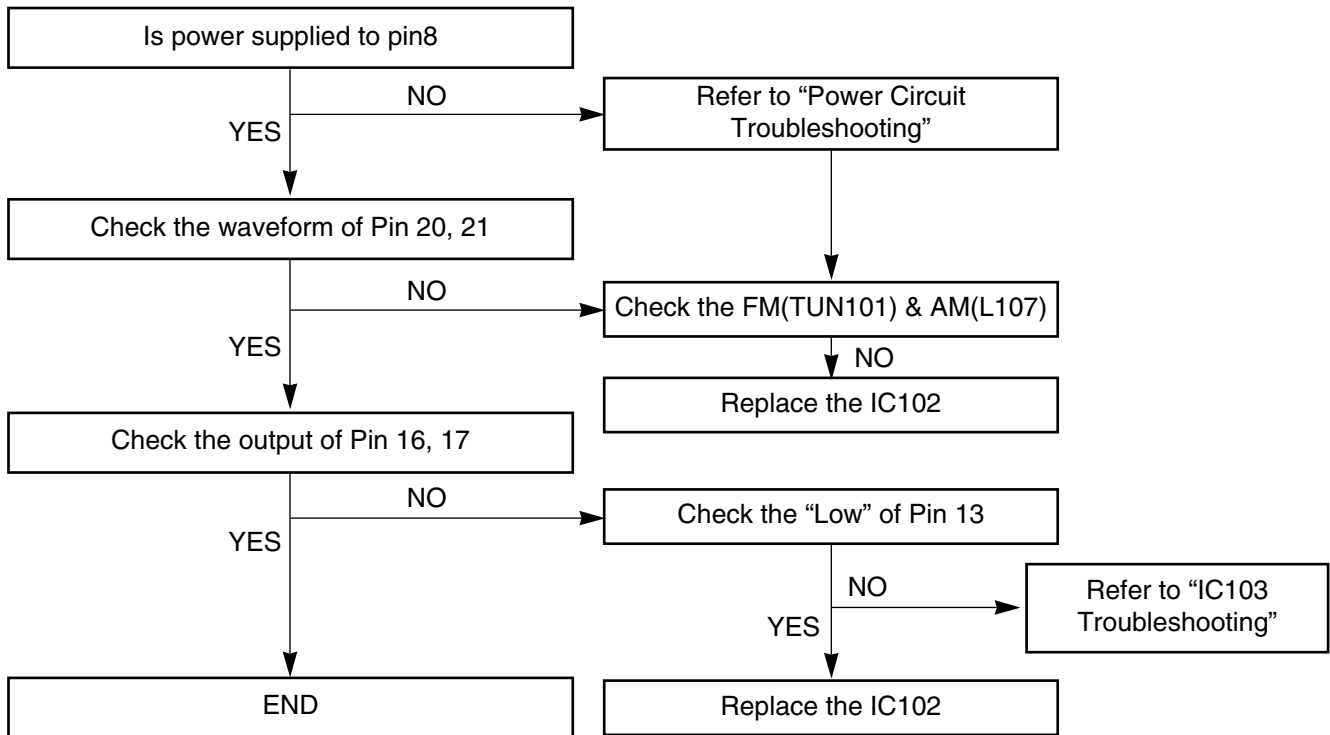
IC601 Troubleshooting



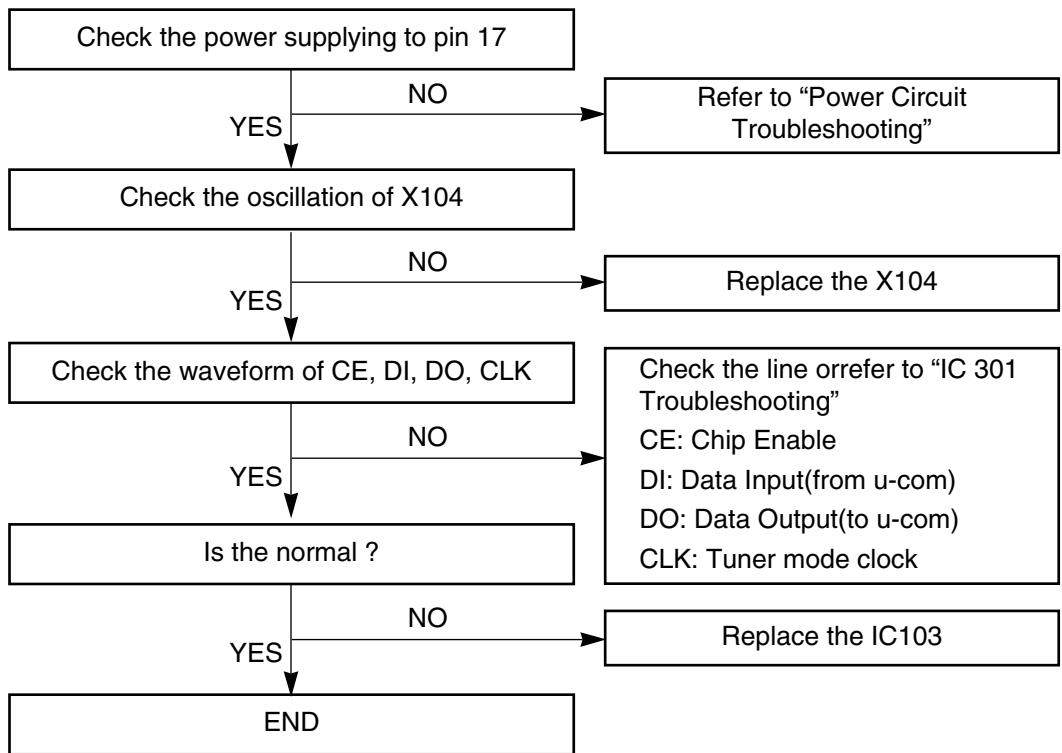
FM (TUN101)



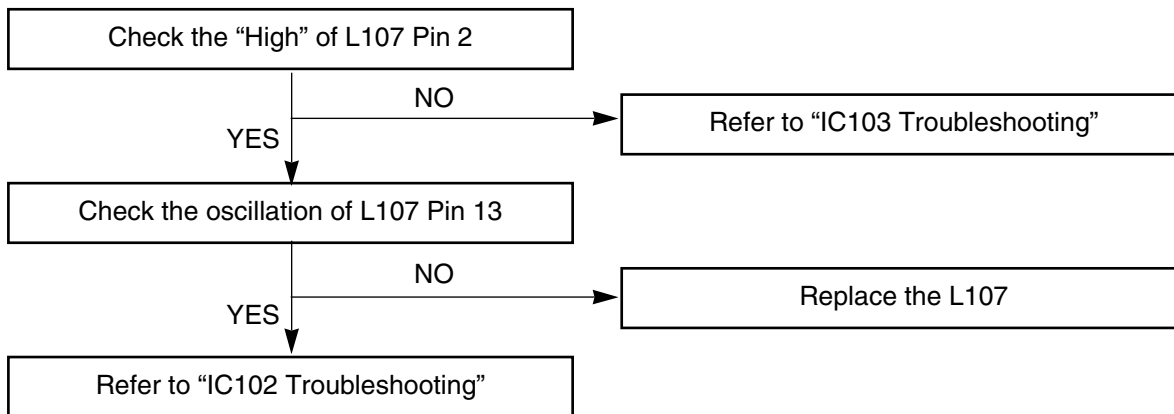
IC102 Troubleshooting



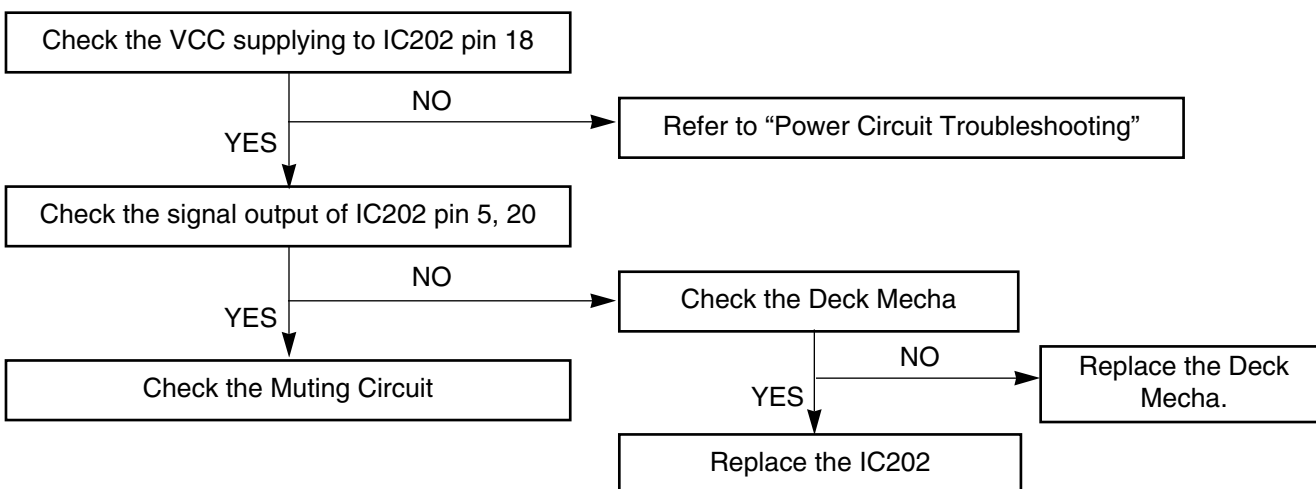
IC103 Troubleshooting



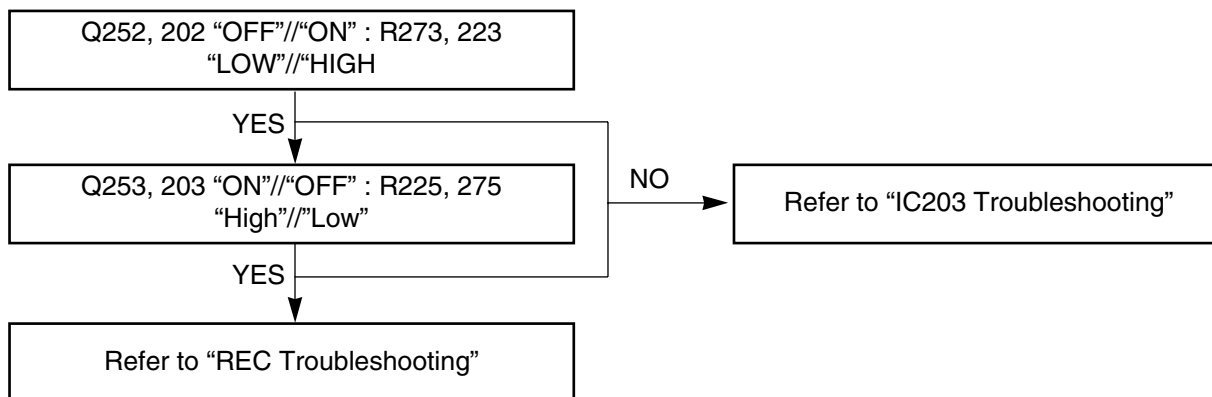
AM•COIL Troubleshooting



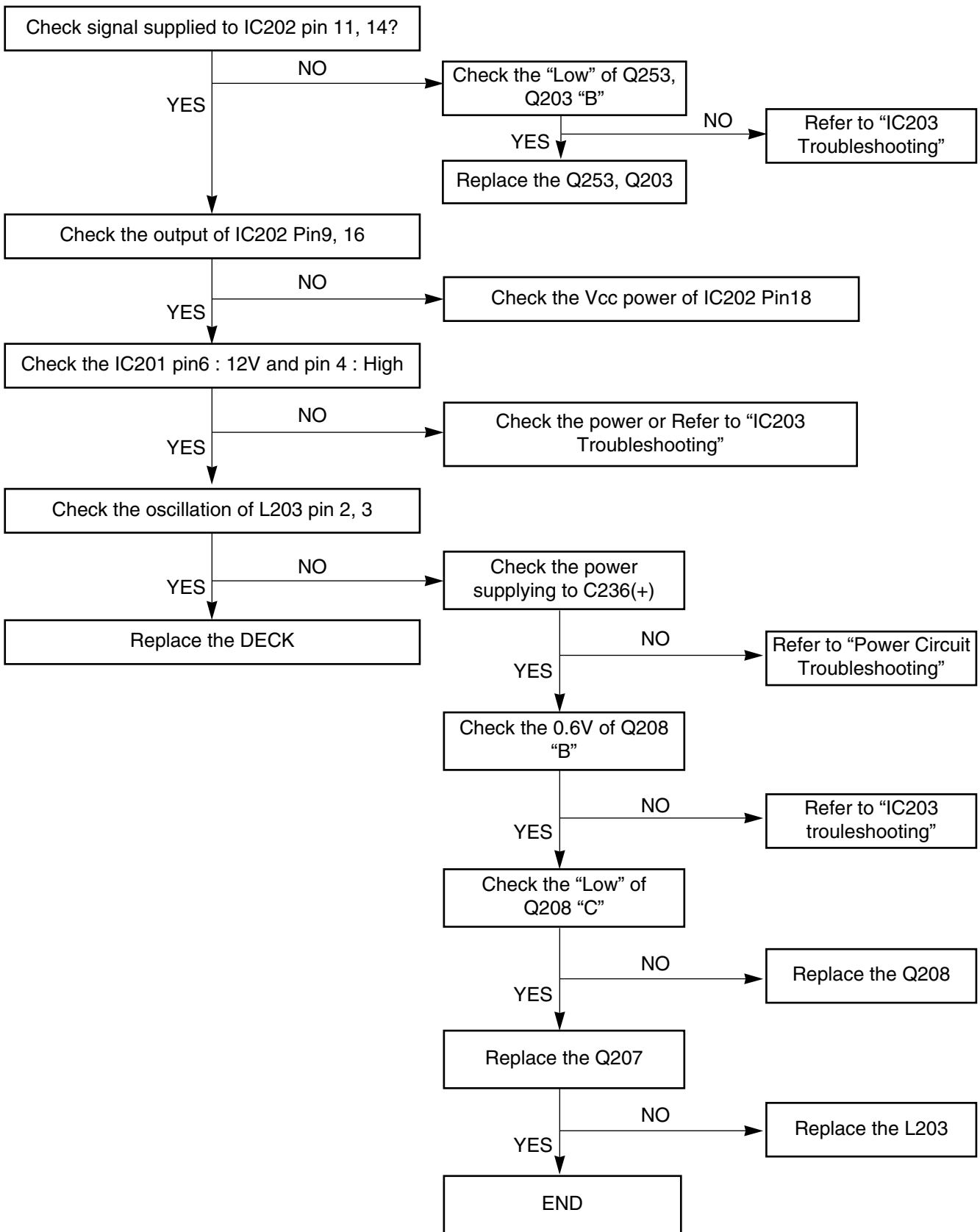
Play



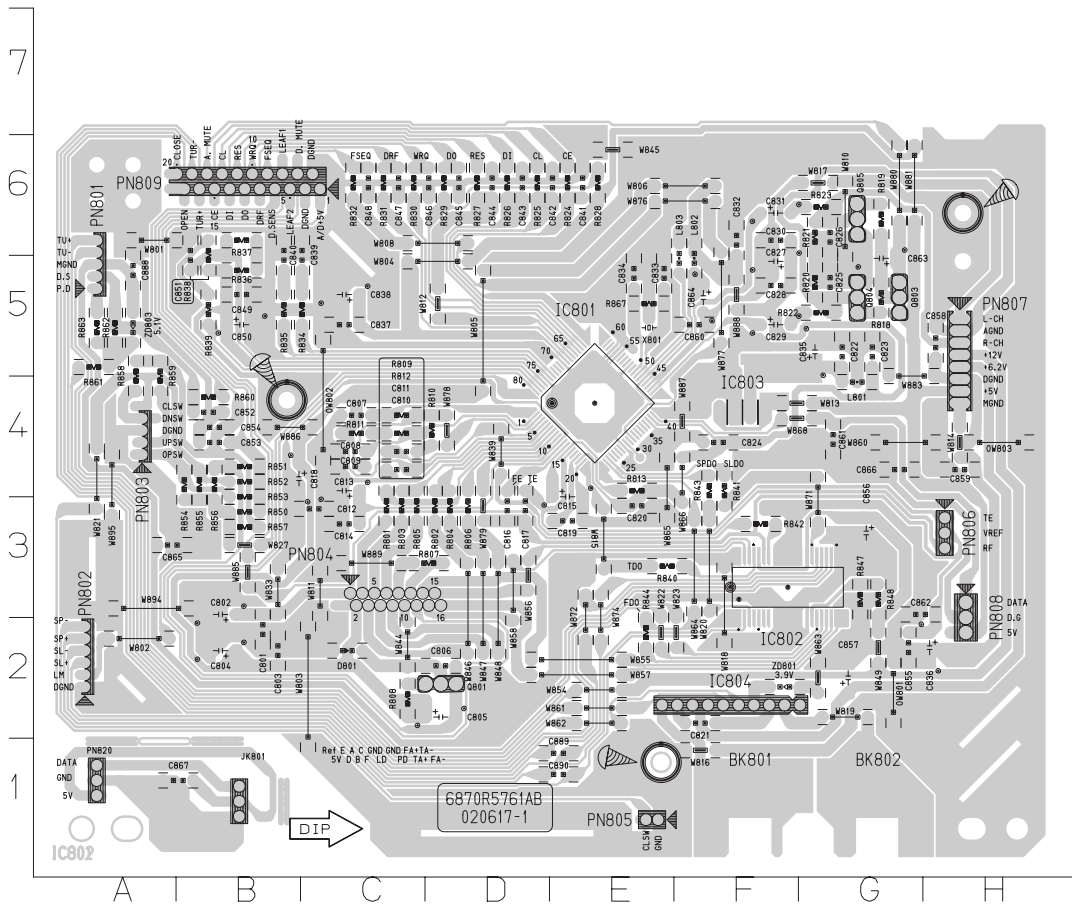
Dubbing("NORMAL or REC " //" "HIGH")



REC (Q252, Q202 ON / R273, R223 High)



• CD MAIN P.C. BOARD



C801	B2	OW801	G2
C802	B3	OW802	C4
C803	B2	OW803	H4
C804	B2	PN801	A5
C805	D2	PN802	A2
C806	D2	PN803	A4
C807	C4	PN804	C3
C808	C4	PN805	E1
C809	C4	PN806	H3
C810	C4	PN807	H5
C811	C4	PN808	H3
C812	C3	PN809	C6
C813	C4	PN820	A1
C814	C3	Q801	D2
C815	E3	Q803	G5
C816	D3	Q804	G5
C817	D3	Q805	G6
C818	B4	R801	C3
C819	E3	R802	D3
C820	E3	R803	C3
C821	F2	R804	D3
C822	G5	R805	C3
C823	G5	R806	D3
C824	F4	R807	D3
C825	G5	R808	C2
C826	G6	R809	C4
C827	F5	R810	D4
C828	F5	R811	C4
C829	F5	R812	C4
C830	F6	R813	E4
C831	F6	R818	G5
C832	F6	R819	G6
C833	F6	R820	G5
C834	E5	R821	G6
C835	G5	R822	G5
C836	H2	R823	G6
C837	C5	R824	E6
C838	C5	R825	D6
C839	C5	R826	D6
C840	B5	R827	D6
C841	E6	R828	E6
C842	E6	R829	D6
C843	D6	R830	C6
C844	D6	R831	C6
C845	D6	R832	C6
C846	D6	R834	C5
C847	C6	R835	B5
C848	C6	R836	B5
C849	B5	R837	B6
C850	B5	R838	B5
C851	B5	R839	B5
C852	B4	R840	E3
C853	B4	R841	F4
C854	B4	R842	F3
C855	G2	R843	F4
C856	G3	R844	E2
C857	G2	R847	G3
C858	H5	R848	G3
C859	H4	R850	B3
C860	F5	R851	B4
C861	G4	R852	B4
C862	G3	R853	B3
C863	G5	R854	B4
C864	F5	R855	B4
C865	A3	R856	B4
C866	G4	R857	B3
C867	B1	R858	A4
C868	A5	R859	A4
C869	E1	R860	B4
C890	E1	R861	A5
D801	C2	R862	A5
IC803	F4	R863	A5
IC804	G2	R867	E5
L801	G4	X801	E5
L802	F5	ZD801	F2
L803	F5	ZD803	A5

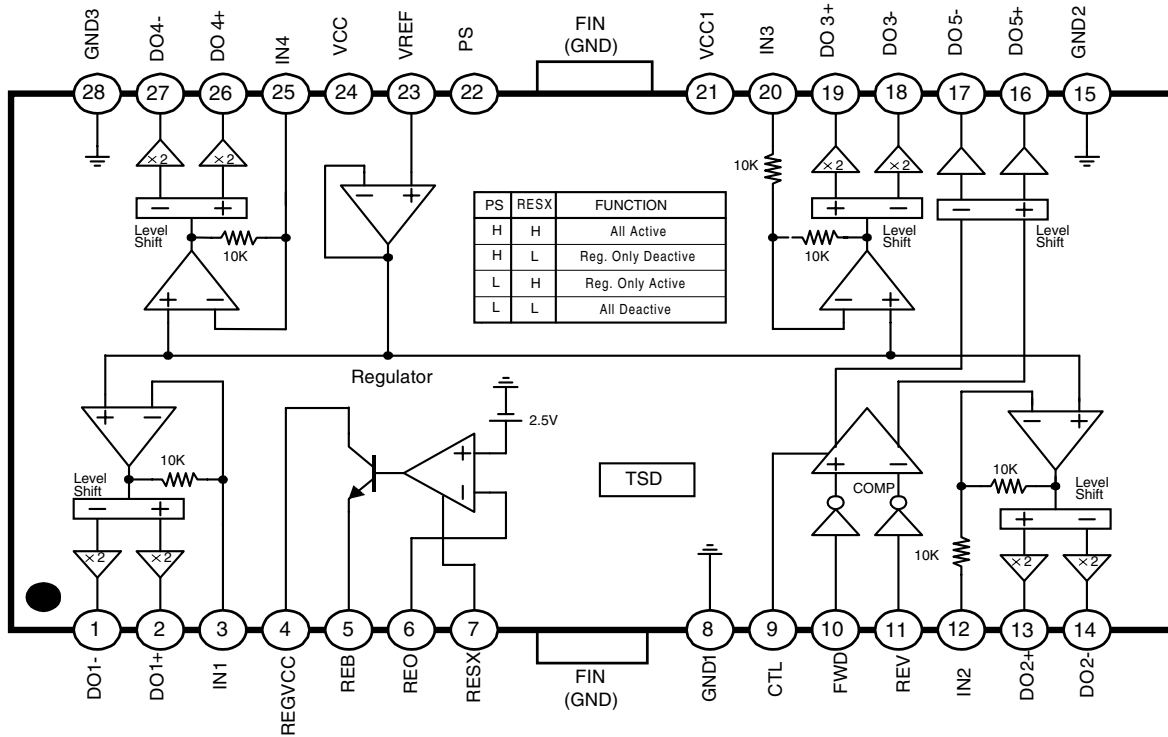
INTERNAL BLOCK DIAGRAM OF ICs

■ FAN8039BD3

5-CH Motor Diver

Description

The FAN8039BD3 is a monolithic integrated circuit suitable for a 5-CH motor driver which drives the tracking actuator, focus actuator, sled motor, tray motor, spindle motor of the DVDP/CAR-CD systems.



Pin Definitions

NO	Symbol	Description	NO	Symbol	Description
1	DO1-	CH1 Drive Output (-)	15	GND2	Power Ground1 (CH 2,3,5)
2	DO1+	CH1 Drive Output (+)	16	DO5+	CH5 Drive Output (+)
3	IN1	CH1 Drive Input	17	DO5-	CH5 Drive Output(-)
4	REGVCC	Regulator Supply Voltage	18	DO3-	CH3 Drive Output(-)
5	REB	Regulator Output	19	DO3+	CH3 Drive Output (+)
6	REO	Regulator Feedback Input	20	IN3	CH3 Drive Input
7	RESX	Regulator Reset	21	VCC1	Supply Voltage1(CH2,CH3,CH5)
8	GND1	Signal Ground	22	PS	Power Save
9	CTL	CH5 Motor Speed Control	23	VREF	Bias Voltage
10	FWD	CH5 Forward Input	24	VCC	Supply Voltage(CH1,CH4)
11	REV	CH5 Reverse Input	25	IN4	CH4 Drive Input
12	IN2	CH2 Drive Input	26	DO4+	CH4 Drive Output (+)
13	DO2+	CH2 Drive Output (+)	27	DO4-	CH4 Drive Output (-)
14	DO2-	CH2 Drive Output (-)	28	GND3	Power Ground2 (CH 1,4)

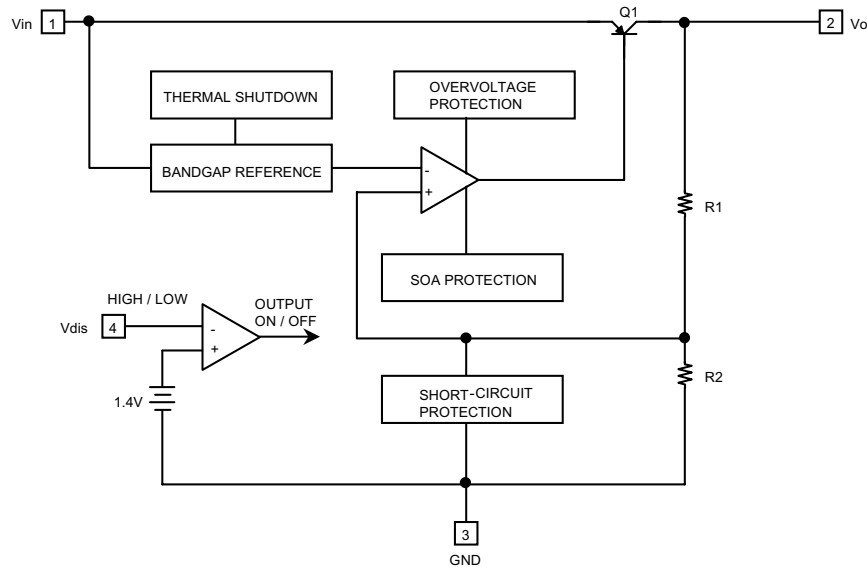
KA78R33

Low Dropout Voltage Regulator

Description

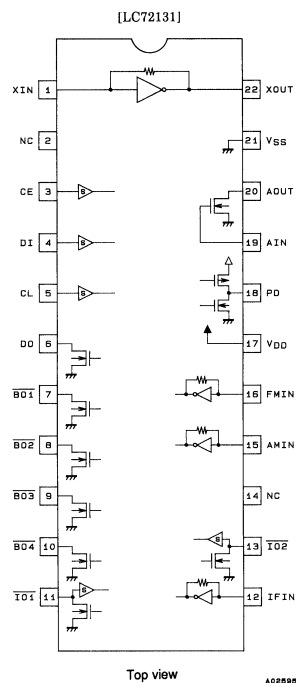
The KA78R33 is a low-dropout voltage regulator suitable for various electronic equipments. It provides constant voltage power source with TO-220 4 lead full mold package. Dropout voltage of KA78R33 is below 0.5V in full rated current(1A). This regulator has various function such as peak current protection, thermal shut down, overvoltage protection and output disable function.

Internal Block Diagram

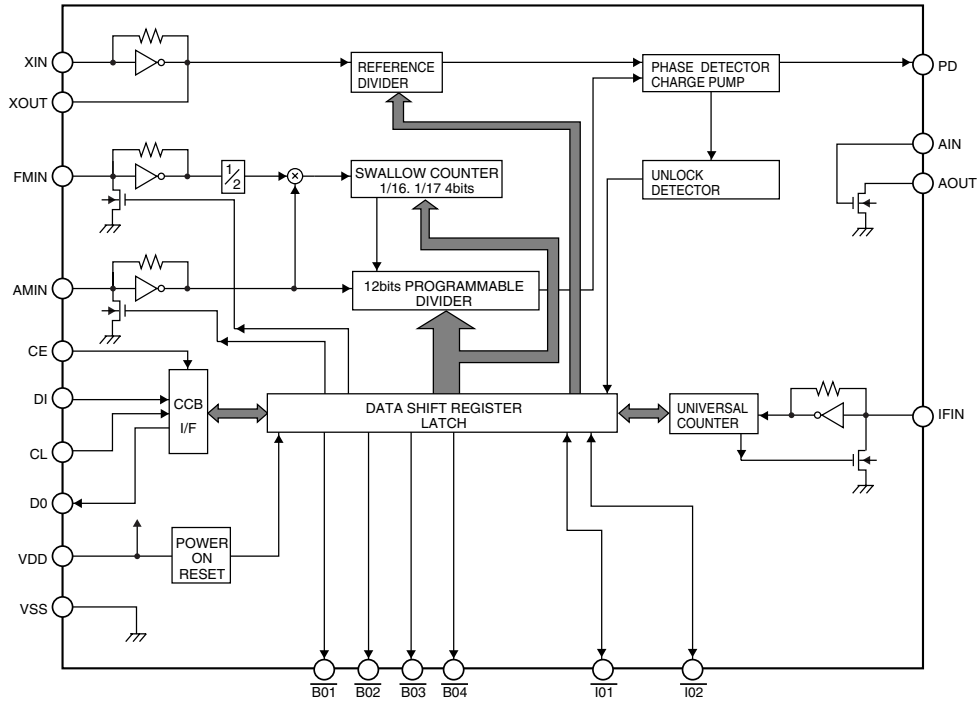


LC72131

AM/FM PLL Frequency Synthesizer



Block Diagram

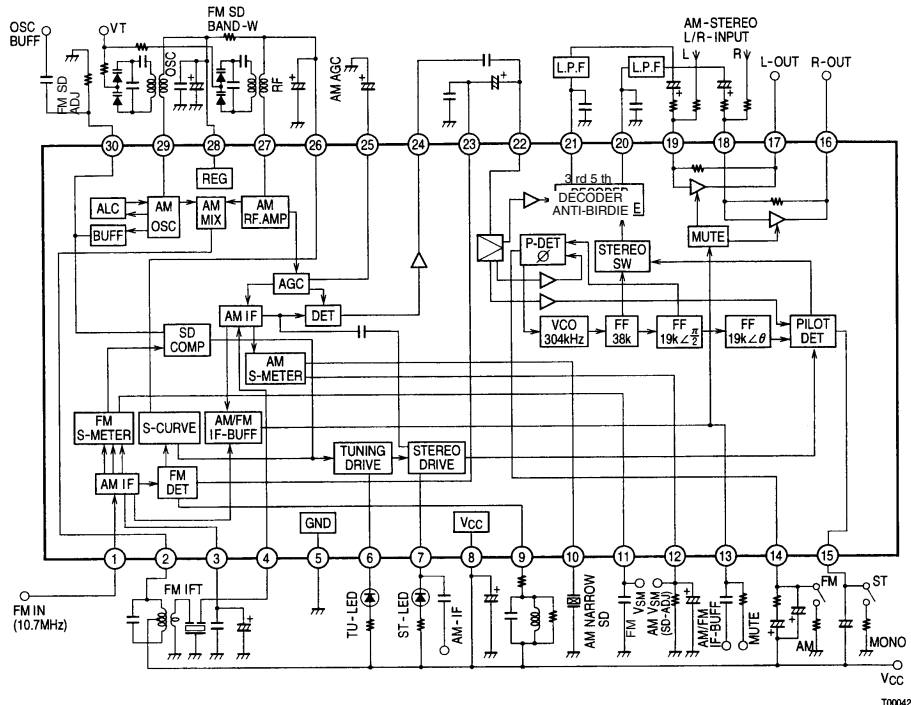


LA1837

Single-Chip Home stereo IC with Electronic Tuning Support

The LA1837 is a single-chip AM/FM IF and MPX IC that supports electronic tuning and was developed for use in home stereo systems. It is optimal for use in automatic station selection systems that use the SD and IF counting techniques.

Block Diagram



■ KIA 78R12 PI

4 TERMINAL LOW DROP VOLTAGE REGULATOR

The KIA78RXX Series are Low Drop Voltage Regulator suitable for various electronic equipments. It provides constant voltage power source with TO-220 4 terminal lead full molded PKG. The Regulator has multi function such as over current protection, overheat protection and ON/OFF control.

ELECTRICAL CHARACTERISTICS

(Unless otherwise specified, $I_o=0.5A$, $T_a=25^\circ C$, Note1.)

CHARACTERISTIC		SYMBOL	CONDITIONS	MIN.	TYP.	MAX.	UNIT
Output Voltage	KIA78R05	V_o	-	4.88	5.0	5.12	V
	KIA78R06		-	5.85	6.0	6.15	
	KIA78R08		-	7.80	8.0	8.2	
	KIA78R09		-	8.78	9.0	9.22	
	KIA78R10		-	9.75	10.0	10.25	
	KIA78R12		-	11.70	12.0	12.30	
	KIA78R15		-	14.70	15.0	15.30	
Load Regulation	Reg Load	$I_o=5mA \sim 1A$	-	0.1	2.0	%	
Line Regulation	Reg Line	(Note 2)	-	0.5	2.5	%	
Ripple Rejection	R•R		45	55	-	dB	
Drop Out Voltage	V_D	(Note 3)	-	-	0.5	V	
Output ON state for control Voltage	$V_{C(ON)}$		2.0	-	-	V	
Output ON state for control Current	$I_{C(ON)}$	$V_C=2.7V$	-	-	20	μA	
Output OFF state for control Voltage	$V_{C(OFF)}$	-	-	-	0.8	V	
Output OFF state for control Current	$I_{C(OFF)}$	$V_C=0.4V$	-	-	-0.4	mA	
Quiescent Current	I_Q	$I_o=0$	-	-	10	mA	

Note1) V_{IN} of KIA78R05=7V

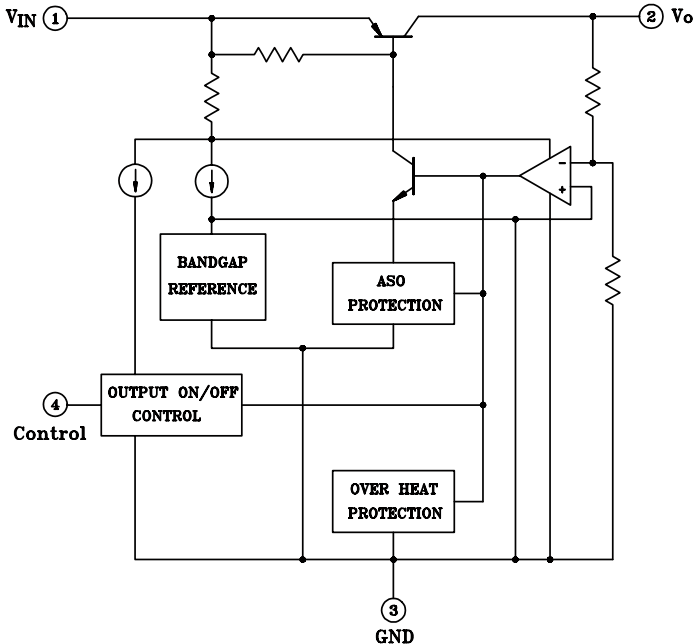
" KIA78R06=8V
 " KIA78R08=10V
 " KIA78R09=15V
 " KIA78R10=16V
 " KIA78R12=18V
 " KIA78R15=21V

Note2) V_{IN} of KIA78R05=6~12V

" KIA78R06=7~15V
 " KIA78R08=9~25V
 " KIA78R09=10~25V
 " KIA78R10=11~26V
 " KIA78R12=13~29V
 " KIA78R15=16~32V

Note3) At $V_{IN}=0.95V_o$

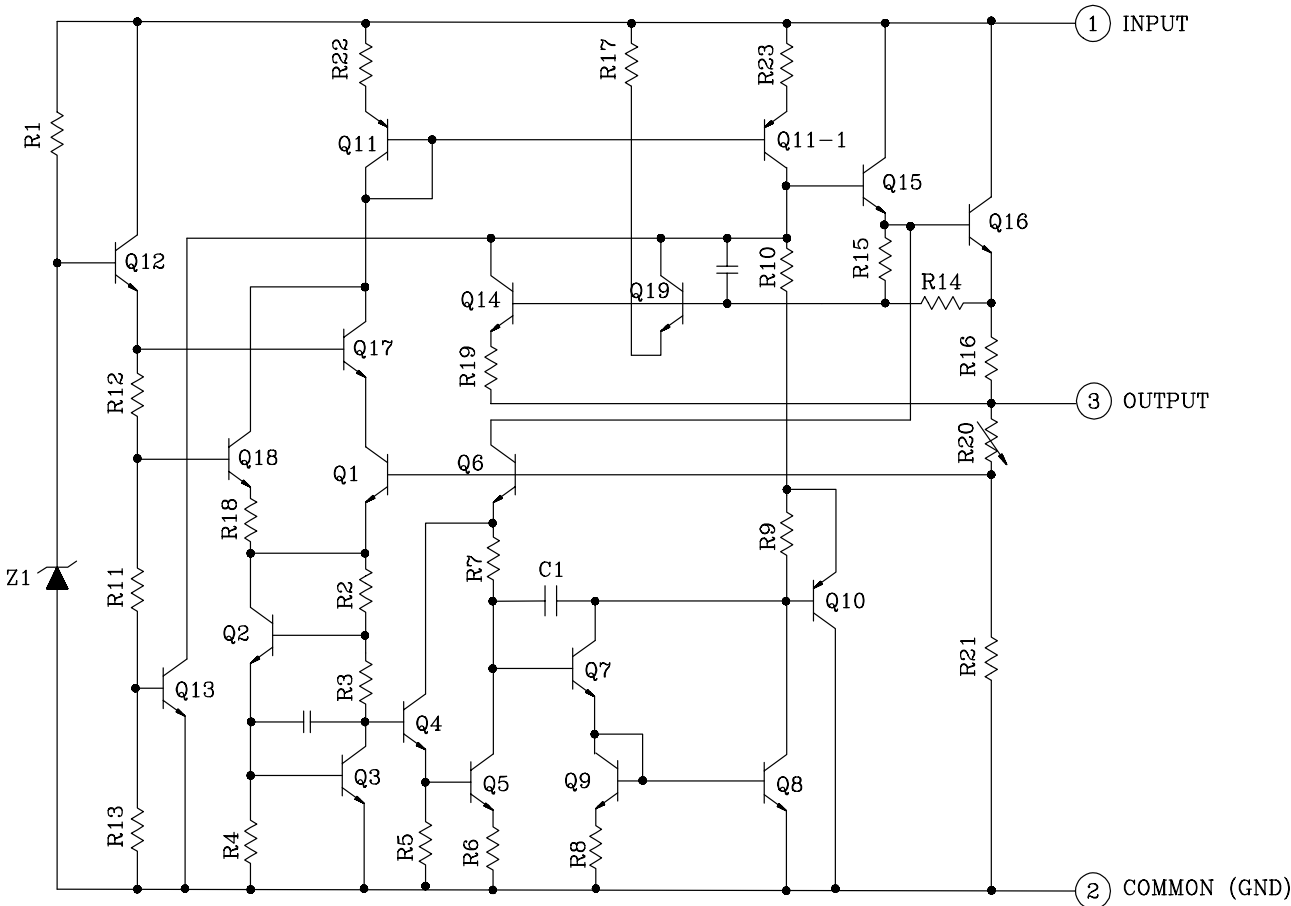
Block Diagram



KIA7805AP/API

THREE TERMINAL POSITIVE VOLTAGE REGULATORS 5V, 6V, 8V, 9V, 10V, 12, 15V, 18V, 24V.

EQUIVALENT CIRCUIT



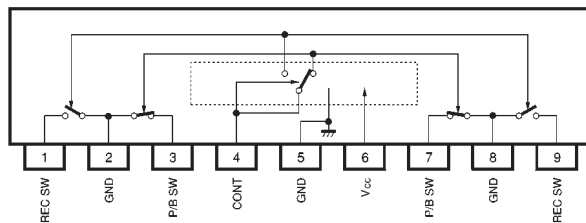
KIA7805AP/API

ELECTRICAL CHARACTERISTICS ($V_{IN}=10V$, $I_{OUT}=500mA$, $0^{\circ}C \leq T_j \leq 125^{\circ}C$)

CHARACTERISTIC	SYMBOL	TEST CIRCUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT	
Output Voltage	V_{OUT}	1	$T_j=25^{\circ}C$, $I_{OUT}=100mA$	4.8	5.0	5.2	V	
Input Regulation	Reg line	1	$T_j=25^{\circ}C$	$7.0V \leq V_{IN} \leq 25V$	-	3	100	mV
				$8.0V \leq V_{IN} \leq 12V$	-	1	50	
Load Regulation	Reg load	1	$T_j=25^{\circ}C$	$5mA \leq I_{OUT} \leq 1.4A$	-	15	100	mV
				$250mA \leq I_{OUT} \leq 750mA$	-	5	50	
Output Voltage	V_{OUT}	1	$7.0V \leq V_{IN} \leq 20V$ $5.0mA \leq I_{OUT} \leq 1.0A$, $P_o \leq 15W$	4.75	-	5.25	V	
Quiescent Current	I_B	1	$T_j=25^{\circ}C$, $I_{OUT}=5mA$	-	4.2	8.0	mA	
Quiescent Current Change	ΔI_B	1	$7.0V \leq V_{IN} \leq 25V$	-	-	1.3	mA	
Output Noise Voltage	V_{NO}	1	$T_a=25^{\circ}C$, $10Hz \leq f \leq 100kHz$ $I_{OUT}=50mA$	-	50	-	μV_{rms}	
Ripple Rejection Ratio	RR	1	$f=120Hz$, $8.0V \leq V_{IN} \leq 18V$, $I_{OUT}=50mA$, $T_j=25^{\circ}C$	62	78	-	dB	
Dropout Voltage	V_D	1	$I_{OUT}=1.0A$, $T_j=25^{\circ}C$	-	2.0	-	V	
Short Circuit Current Limit	I_{SC}	1	$T_j=25^{\circ}C$	-	1.6	-	A	
Average Temperature Coefficient of Output Voltage	TC_{VO}	1	$I_{OUT}=5mA$, $0^{\circ}C \leq T_j \leq 125^{\circ}C$	-	-0.6	-	mV/ $^{\circ}C$	

■ BA3126N

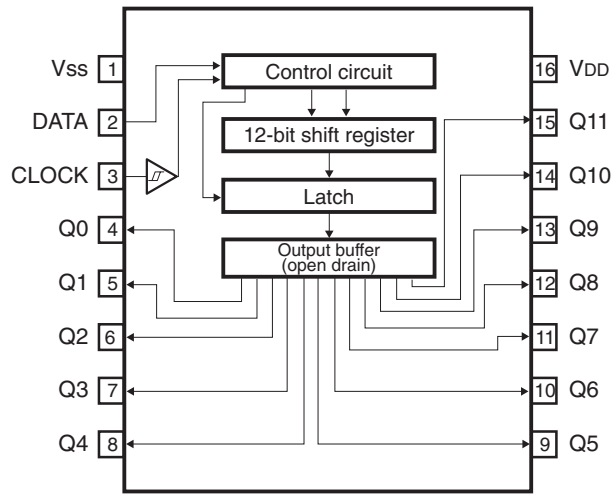
2-channel head switch for radio cassette recorders



■ BU2090F

12-bit, Serial IN, Parallel OUT driver

Block diagram

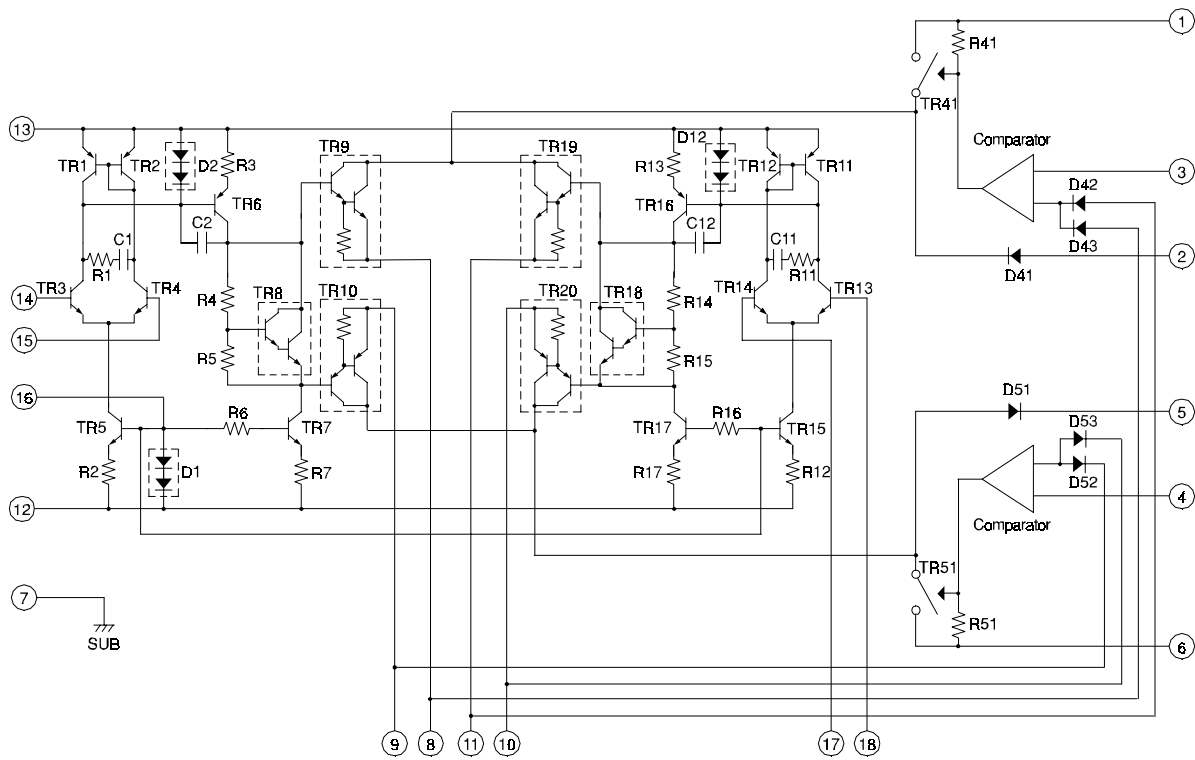


PIN DESCRIPTION

Pin No.			Pin name	Function
BU2090/F/FS	BU2092/F	BU2092/FV		
1	1	1	Vss	GND
2	2	2	DATA	Serial data input
3	3	3	CLOCK	Data shift clock input
-	4	4	LCK	Data latch clock input
4	5	5	Q0	parallel data output
5	6	6	Q1	parallel data output
6	7	7	Q2	parallel data output
7	8	8	Q3	parallel data output
8	9	9	Q4	parallel data output
9	10	10	Q5	parallel data output
10	11	11	Q6	parallel data output
-	-	12	N.C.	Not connected
-	-	13	N.C.	Not connected
11	12	14	Q7	parallel data output
12	13	15	Q8	parallel data output
13	14	16	Q9	parallel data output
14	15	17	Q10	parallel data output
15	16	18	Q11	parallel data output
-	17	19	\overline{OE}	Output Enable
16	18	20	VDD	Power supply

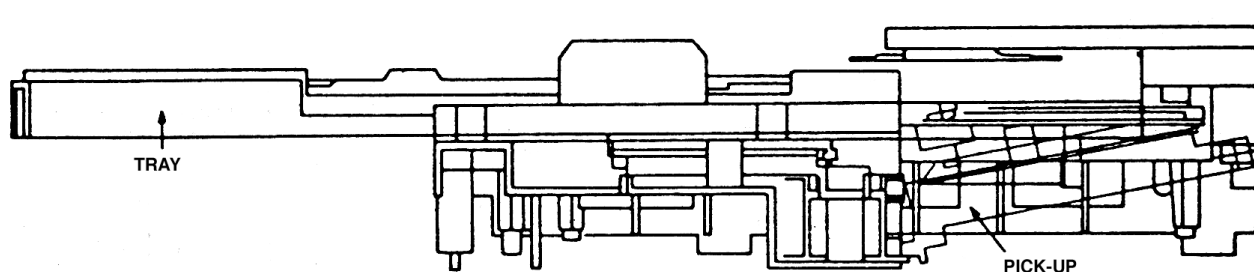
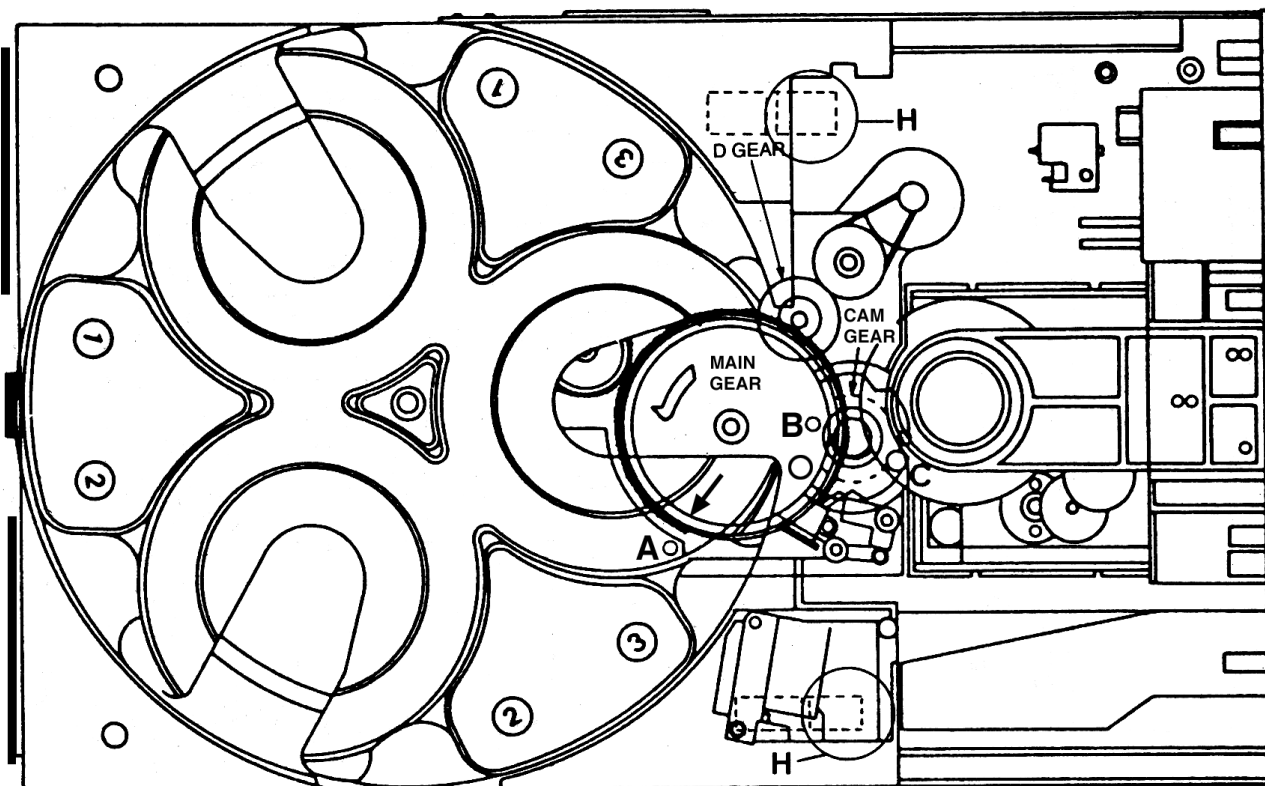
■ STK 412-040

Block diagram



REPAIRS REGARDING CD MECHANISM

IMPROVED METHOD - WHEN THE TRAY GEARS WERE DISTORTED



1. How to open the tray.

In case of not supplying power push two hooks (H) of the base, and then open the tray.

2. How to improve the distorted gears.

(1) Do the hole "C" of the cam gear to face forward the pick-up so the pick-up is down like figure.

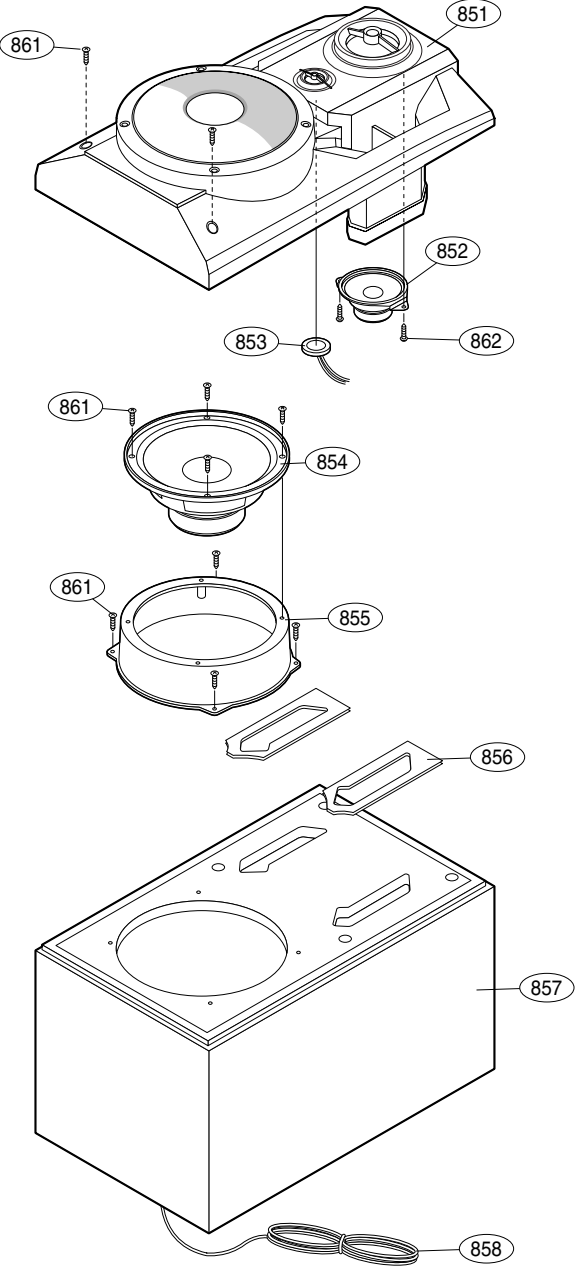
(2) Do the hole "B" of main gear to face forward pick-up, too.

(3) Set the last part of main gear to point "A".

(4) Push the tray to end.

SECTION 4. SPEAKER SECTION

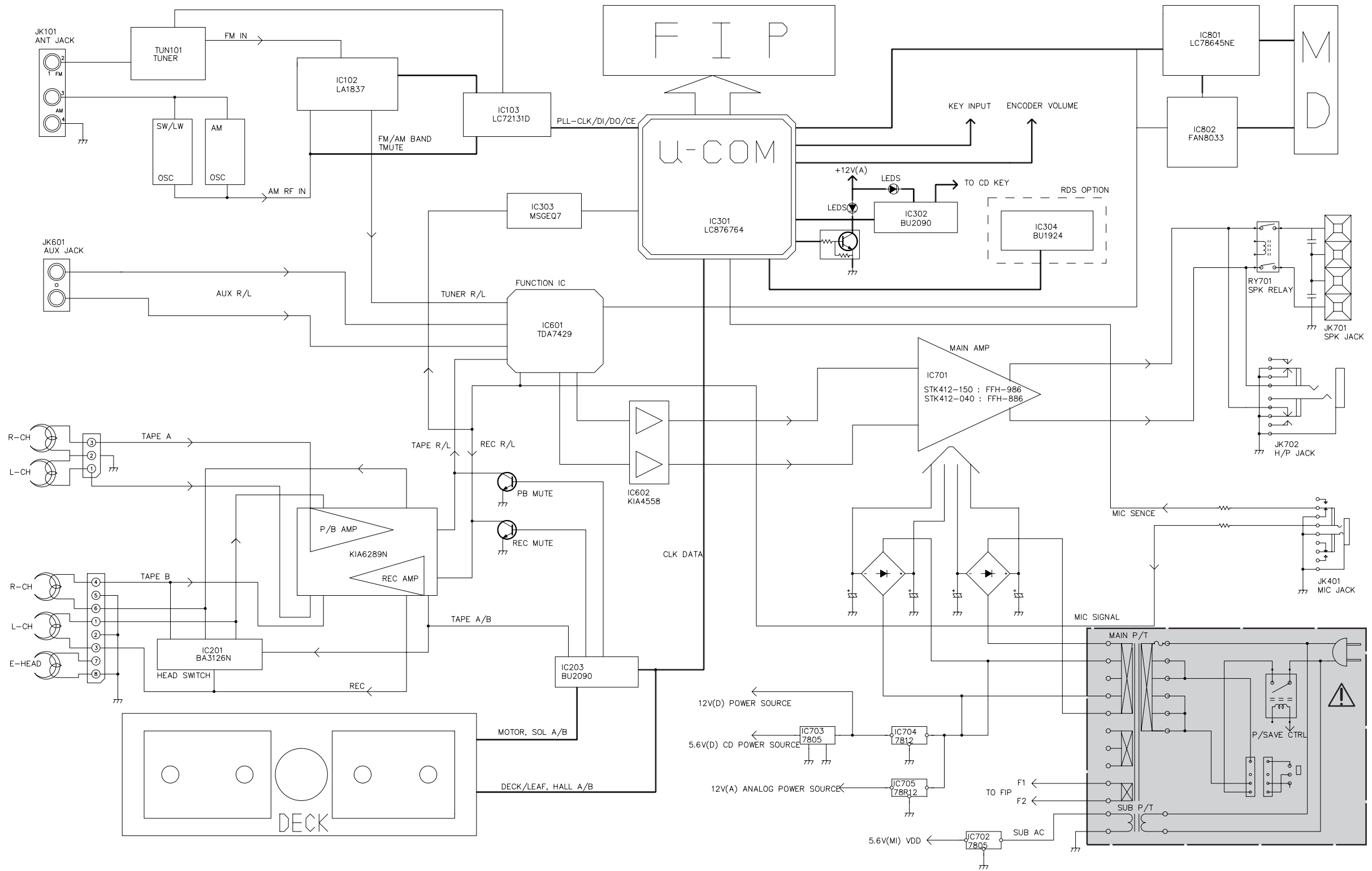
MODEL: FE-979E



BLOCK DIAGRAM

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

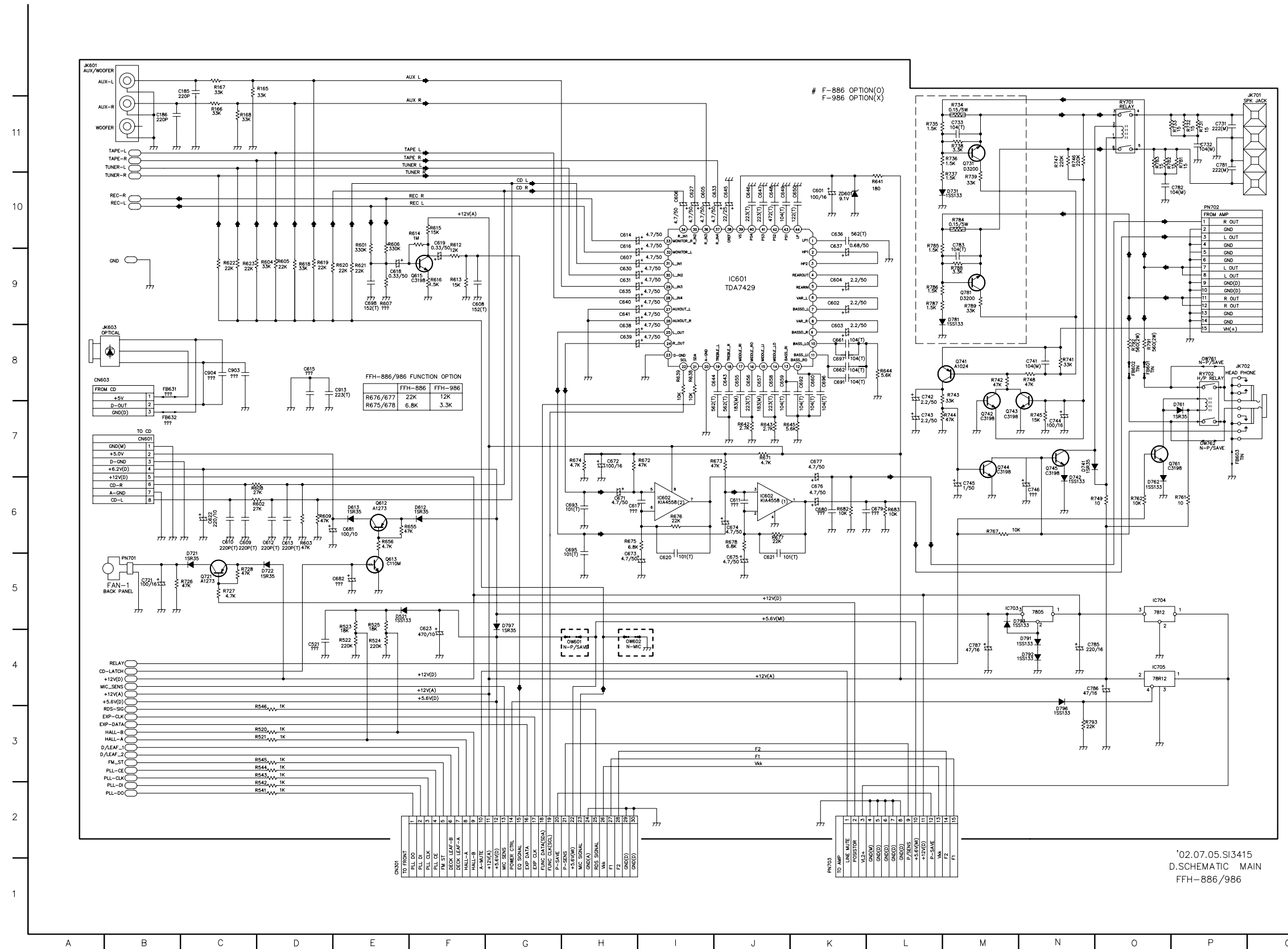
NOTE:
 1. Shaded(■) parts are critical for safety. Replace only with specified part number.
 2. Voltages are DC-measured with a digital voltmeter during Play mode.



BLOCK DIAGRAM
 SI3845
 F-986/886

SCHEMATIC DIAGRAMS

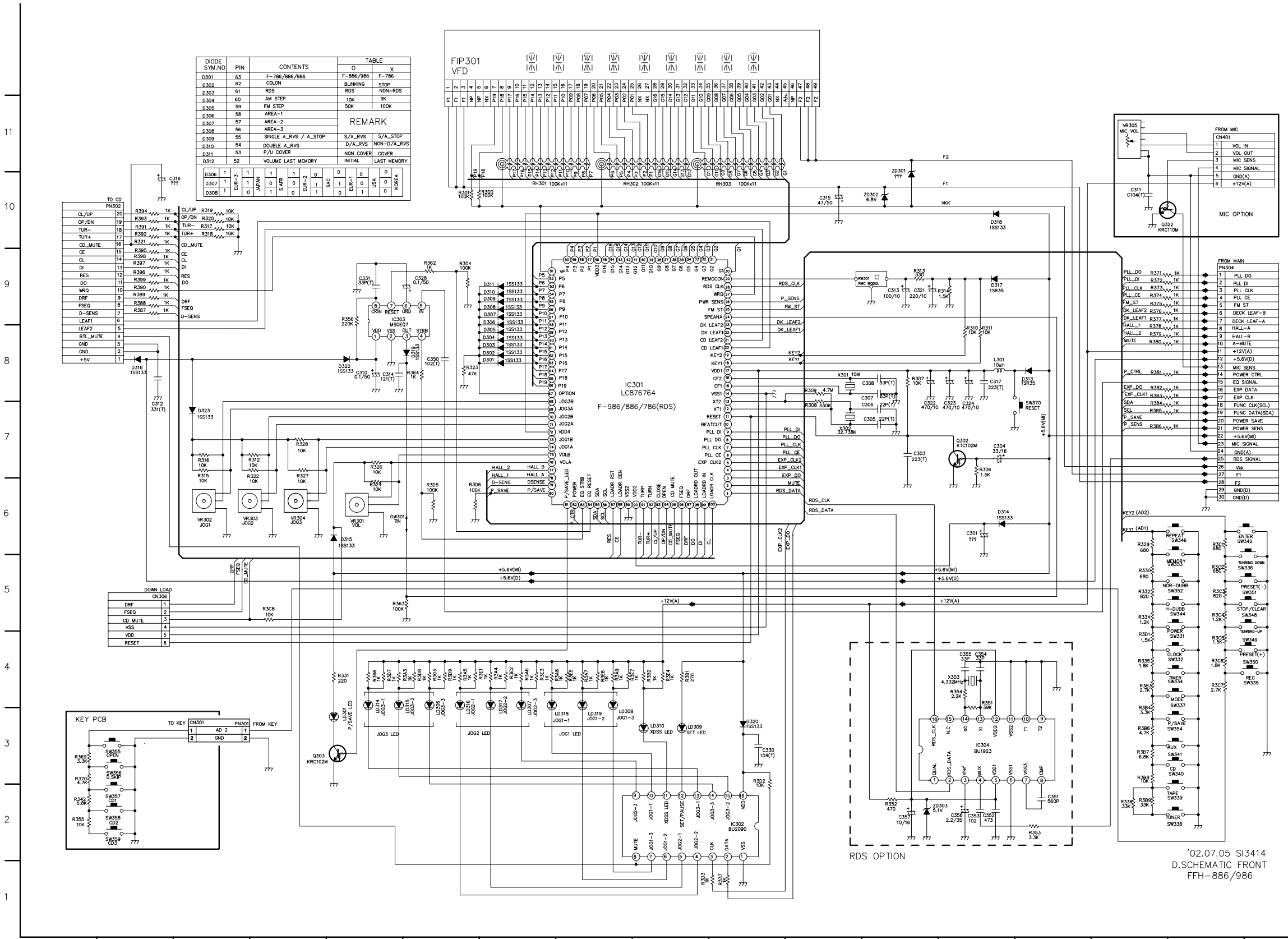
• MAIN SCHEMATIC DIAGRAM



LOCATION GUIDE

+12V(A) B4	EXP-DATA3	R747	N11
+12V(D) B4	FB601	R748	N8
+5.6V(O)A4	FB602	R749	N6
C185 B12	FB603	R761	P6
C186 B11	FB631	R762	O6
C521 D4	FB632	R767	M6
C601 K10	FM_ST	R781	P11
C602 K9	GND	R782	O11
C603 K8	HALL-A	R783	O11
C604 K9	HALL-B	R784	M10
C605 I10	IC601	R785	J9
C606 H10	IC602	R786	L9
C607 H9	IC703	R787	L9
C608 F9	IC704	R788	M9
C609 C6	IC705	R789	O4
C610 C6	JK601	R791	O8
C611 J6	JK603	R792	O8
C612 D6	JK701	R793	N3
C613 D6	JK702	R794	O11
C614 H10	MIC_SENS4	REC-SIGB3	
C615 D8	OW601	REC-L	B10
C616 H10	OW602	RELAY	B4
C617 H6	OW761	RY701	O11
C618 E9	OW762	RY702	P8
C619 F10	PLL-CE	TAPE-L	B11
C620 I5	PLL-CLKB3	TAPE-R	B11
C621 J5	PLL-D	TUNER	B2
C622 C6	PLL-DO	TUNER-RB10	
C623 F4	PN701	ZD601	K10
C627 I10	PN702		
C630 H9	PN703		
C631 H9			
C633 J10	O613		
C635 H9	O615		
C636 K10	O721		
C637 K10	O731		
C638 H8	O741		
C639 H8	O742		
C640 H9	O743		
C641 H9	O744		
C643 J8	O745		
C644 J8	O761		
C645 J10	O781		
C646 J10	R165		D12
C647 J10	R166		C11
C648 J10	R167		C12
C649 J10	R168		C11
C650 K10	R520		C3
C655 J8	R521		C3
C656 J8	R522		E4
C657 J8	R523		E5
C658 J8	R524		E4
C659 J8	R525		E5
C660 K8	R541		C2
C661 K8	R542		C2
C662 K8	R543		C3
C671 H6	R544		C3
C672 H7	R545		C3
C673 H5	R546		C3
C674 J6	R601		E10
C675 J5	R602		C6
C676 K6	R603		D6
C677 K7	R604		D9
C679 L6	R605		D9
C680 K6	R606		E10
C681 E9	R607		E9
C682 E5	R608		C6
C691 K8	R609		D6
C692 K8	R612		F10
C693 H6	R613		F9
C695 H6	R614		F10
C696 K8	R615		F10
C697 K8	R616		F9
C698 E9	R618		D9
C721 B5	R619		D9
C731 P11	R620		E9
C732 P11	R621		E9
C733 M11	R622		C9
C741 N8	R623		C9
C742 L8	R638		I8
C743 L7	R639		I8
C744 N7	R641		L10
C745 M6	R642		J7
C746 N6	R643		J7
C751 P11	R644		L8
C782 P10	R645		J7
C783 M10	R655		E6
C785 N4	R656		E6
C786 N4	R671		J7
C787 N4	R672		J7
C903 C8	R673		I7
C904 C8	R674		H7
C913 E8	R675		H6
CD-LATCH4	R676		I6
CN301 E1	R677		J6
CN601 B7	R678		J6
CN603 A8	R682		K6
D/LEAF_A3	R683		L6
D/LEAF_B3	R726		C5
D521 E5	R727		C5
D612 F6	R728		C5
D613 E6	R731		P11
D721 C5	R732		P11
D722 D5	R733		P11
D731 M10	R734		M11
D741 N7	R735		L11
D742 N6	R736		M10
D761 P7	R737		M11
D762 O6	R738		M11
D781 M9	R739		M10
D791 N4	R741		N8
D792 N4	R742		M8
D793 M5	R743		M8
D796 N3	R744		M7
D797 G5	R745		N7
EXP-CLKA3	R746		N11

FRONT SCHEMATIC DIAGRAM

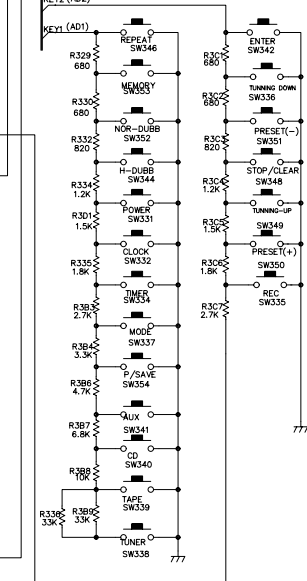
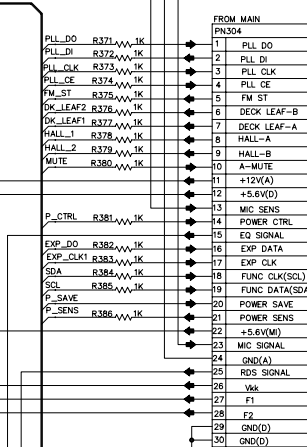
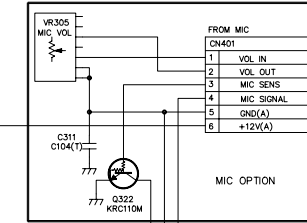
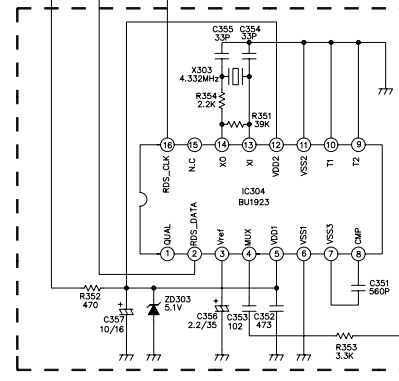
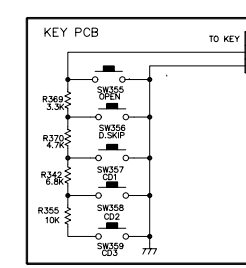


DIODE SYM.NO	PIN	CONTENTS	TABLE	
D301	63	F-786/886/986	0	X
D302	62	COLON	BLINKING	STOP
D303	61	RDS	RDS	NON-RDS
D304	60	AM STEP	10K	9K
D305	59	FM STEP	50K	100K
D306	58	AREA-1		
D307	57	AREA-2		
D308	56	AREA-3		
D309	55	SINGLE A_RVS / A_STOP	S/A_RVS	S/A_STOP
D310	54	DOUBLE A_RVS	D/A_RVS	NON-D/A_RVS
D311	53	P/U COVER	NON COVER	COVER
D312	52	VOLUME LAST MEMORY	INITIAL	LAST MEMORY

DIODE SYM.NO	PIN	CONTENTS	REMARK
D306	1	EUR-3	0
D307	1	SAFR	0
D308	1	EUR-1	0
D309	1	EUR-2	0
D310	1	SAC	0
D311	1	EUR-1	0
D312	1	USA	0
D313	1	KOREA	0

TO CD	PN302	CONTENTS
CL/UP	20	R394 1K
OP/BN	19	R393 1K
TUR+	18	R392 1K
TUR-	17	R391 1K
CD MUTE	16	R321 1K
CE	15	R395 1K
CL	14	R396 1K
DI	13	R397 1K
RES	12	R398 1K
DD	11	R399 1K
WRD	10	R390 1K
DRF	9	R389 1K
FSEQ	8	R388 1K
D-SENS	7	R387 1K
LEAF1	6	
LEAF2	5	
BTL MUTE	4	
GND	3	
GND	2	
+5V	1	

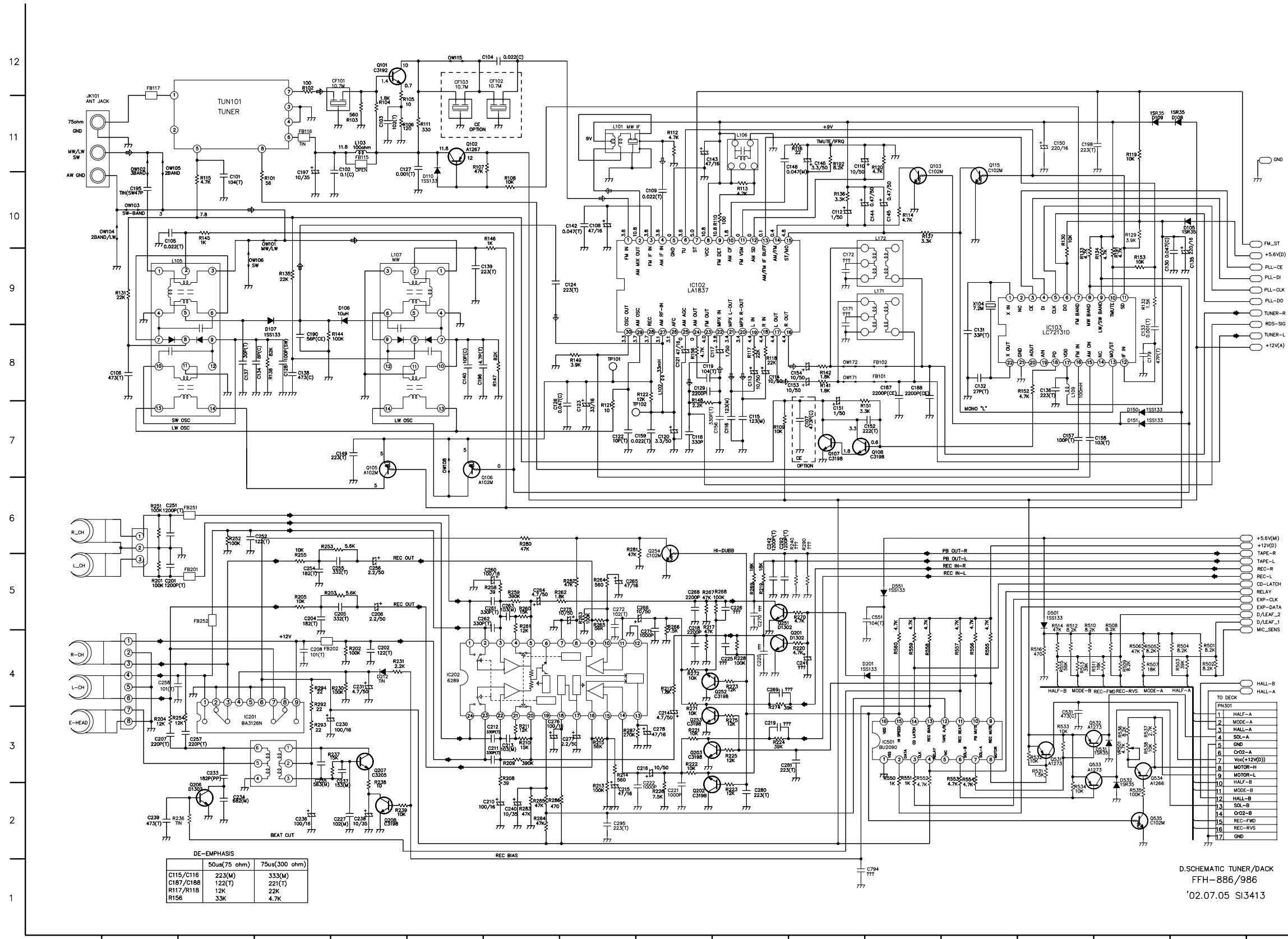
DOWN LOAD	CN301	CONTENTS
DRF	1	
FSEQ	2	
CD MUTE	3	
VSS	4	
VDD	5	
RESET	6	



'02.07.05 SI3414
D. SCHEMATIC FRONT
FFH-886/986

TUNER/DECK SCHEMATIC DIAGRAM

LOCATION GUIDE




+12V(A)	Q8	C268	I5	R-CH	A4	R505	Q4
+12V(D)	Q6	C269	J4	R101	D10	R506	Q4
+5.6V(D)Q9	Q9	C270	J5	R102	D12	R507	Q4
+5.6V(M)Q6	Q6	C271	I4	R103	E11	R508	O5
C101	C10	C272	H5	R104	E11	R509	Q4
C102	E11	C275	H5	R105	E11	R510	N5
C103	E11	C276	G3	R106	E11	R511	Q4
C104	F12	C277	H3	R107	F11	R512	N5
C105	B10	C278	I3	R108	G10	R513	N4
C106	B8	C280	J2	R109	J7	R514	N4
C107	K7	C281	J3	R110	J10	R515	N4
C108	H10	C292	J6	R111	F11	R516	N4
C109	H10	C295	H2	R112	H11	R517	M4
C110	K11	C531	N3	R113	J10	R518	N3
C112	K10	C551	L5	R114	L10	R519	N3
C113	J8	C794	L1	R115	C10	R520	N2
C114	J8	CD-LATCH	R116	K11	R116	R521	O2
C115	J7	CF101	E12	R117	J8	R522	L3
C116	J7	CF102	G12	R118	J8	R523	O3
C117	J8	CF103	F12	R119	O11	R524	O3
C118	I7	D/LEAF_05	R120	L11	R525	L3	
C119	I8	D/LEAF_05	R121	H7	R526	L3	
C120	I7	D105	F10	R122	H7	R527	L3
C121	I8	D106	E9	R129	O10	R528	M3
C122	H7	D107	D8	R130	N10	R529	M3
C123	H7	D108	P11	R131	B9	R530	M4
C124	H9	D109	O11	R132	O9	R531	M4
C125	F10	D110	F10	R133	N9	R532	M4
C127	H11	D150	O7	R134	O9	R533	M4
C128	D8	D151	O7	R135	D9	R534	M4
C129	I8	D201	K4	R136	K10	R535	L4
C130	O9	D212	E4	R137	L10	R536	L4
C131	M8	D510	N5	R138	N5	R537	M4
C132	M8	D531	O3	R143	K8	R538	M4
C133	O8	D532	O3	R142	K8	R539	M4
C134	D8	D551	L5	R144	E8	R540	M4
C135	P9	E-HEAD	A3	R145	C10	R541	M4
C136	N8	EXP-CLK	R146	C10	R542	M4	
C137	N8	EXP-DATA	R147	G8	R543	M4	
C138	D8	FB101	L8	R148	H7	R544	M4
C139	F9	FB102	L8	R149	H8	R545	M4
C140	F8	FB115	E11	R151	K7	R546	M4
C141	H10	FB116	D11	R152	N8	R547	M4
C143	I11	FB117	B12	R153	O9	R548	M4
C144	L10	FB201	C5	R156	I8	R549	M4
C145	L10	FB202	D4	R191	O9	R550	M4
C146	K11	FB251	C6	R192	K11	R551	M4
C148	J11	FB252	C5	R201	B5	R552	M4
C149	E7	FM-ST	O10	R202	E4	R553	M4
C150	N11	GND	O11	R203	D5	R554	M4
C151	K7	HALF-A	P4	R204	B3	R555	M4
C152	L7	HALF-A	P3	R205	D5	R556	M4
C153	B8	HALF-B	N4	R208	G3	R557	M4
C154	K8	HALF-B	P2	R209	G3	R558	M4
C156	J7	HALL-A	Q4	R210	G3	R559	M4
C157	N7	HALL-B	Q4	R211	G3	R560	M4
C158	O7	IC102	I9	R212	I4	R561	M4
C159	H7	IC103	N8	R213	H2	R562	M4
C171	K9	IC201	C3	R214	H3	R563	M4
C172	K9	IC202	F4	R215	H3	R564	M4
C179	O8	IC501	L3	R217	I5	R565	M4
C187	L8	JK101	A11	R219	J5	R566	M4
C188	L8	L-CH	A4	R220	K4	R567	M4
C189	O8	L101	H11	R221	I3	R568	M4
C195	B10	L102	I8	R222	I3	R569	M4
C196	F8	L103	E11	R223	J2	R570	M4
C197	D10	L105	B9	R224	J3	R571	M4
C198	N11	L106	J11	R225	J3	R572	M4
C201	B5	L107	E9	R226	I2	R573	M4
C202	A4	L109	N8	R228	J4	R574	M4
C204	D5	L171	L3	R230	E4	R575	M4
C205	E5	L172	L10	R231	E4	R576	M4
C206	E5	L-CH	A5	R236	B2	R577	M4
C207	B3	MIC-SENS	R237	D3	R578	M4	
C208	G4	MODE-A	Q4	R238	E2	R579	M4
C210	G2	MODE-A	P3	R239	E2	R580	M4
C211	G3	MODE-B	N4	R240	B6	R581	M4
C212	G3	MODE-B	P2	R251	K6	R582	M4
C213	G3	OW101	D10	R252	G6	R583	M4
C214	I3	OW102	B11	R253	D6	R584	M4
C215	H2	OW103	B10	R254	B3	R585	M4
C216	I3	OW104	A10	R255	D5	R586	M4
C218	I5	OW105	B11	R258	G5	R587	M4
C219	J3	OW106	C9	R259	G5	R588	M4
C220	J4	OW108	F7	R260	G5	R589	M4
C221	I2	OW115	F12	R261	G5	R590	M4
C222	I2	OW171	K8	R262	G5	R591	M4
C225	J4	OW172	K8	R263	H5	R592	M4
C226	J5	PLL-CE	O9	R264	H5	R593	M4
C227	E2	PLL-CLK	O9	R265	H5	R594	M4
C230	E3	PLL-DI	O9	R266	I5	R595	M4
C231	E4	PLL-DO	O9	R267	I5	R596	M4
C233	C3	PN301	P3	R268	J5	R597	M4
C234	C2	Q101	E12	R269	J5	R598	M4
C235	G3	Q102	F11	R270	K5	R599	M4
C236	D2	Q103	L11	R271	I3	R600	M4
C237	E2	Q105	E7	R272	I4	R601	M4
C238	E2	Q106	F6	R273	J4	R602	M4
C239	B2	Q107	K7	R274	J3	R603	M4
C240	G2	Q108	L7	R275	J3	R604	M4
C241	K4	Q115	M11	R280	G6	R605	M4
C242	J6	Q201	K4	R281	H6	R606	M4
C245	B6	Q202	I2	R282	H5	R607	M4
C252	D6	Q203	I3	R283	G2	R608	M4
C254	D5	Q206	C2	R284	G2	R609	M4
C255	E5	Q207	E3	R285	G2	R610	M4
C256	E5	Q208	E2	R286	G2	R611	M4
C257	C3	Q251	J5	R287	H3	R612	M4
C258	B4	Q252	J4	R290	K6	R613	M4
C260	G5	Q253	G3	R293	D4	R614	M4
C261	E5	Q254	I6	R293	D3	R615	M4
C262	F5	Q531	N3	R294	D4	R616	M4
C263	G5	Q532	N3	R501	P4	R617	M4
C264	G5	Q533	N3	R502	P4	R618	M4
C265	H5	Q534	O3	R503	P4	R619	M4
C266	I5	Q535	O2	R504	P4	R620	M4

D.SCHEMATIC TUNER/DECK
FFH-886/986
'02.07.05 SI3413

A B C D E F G H I J K L M N O P Q

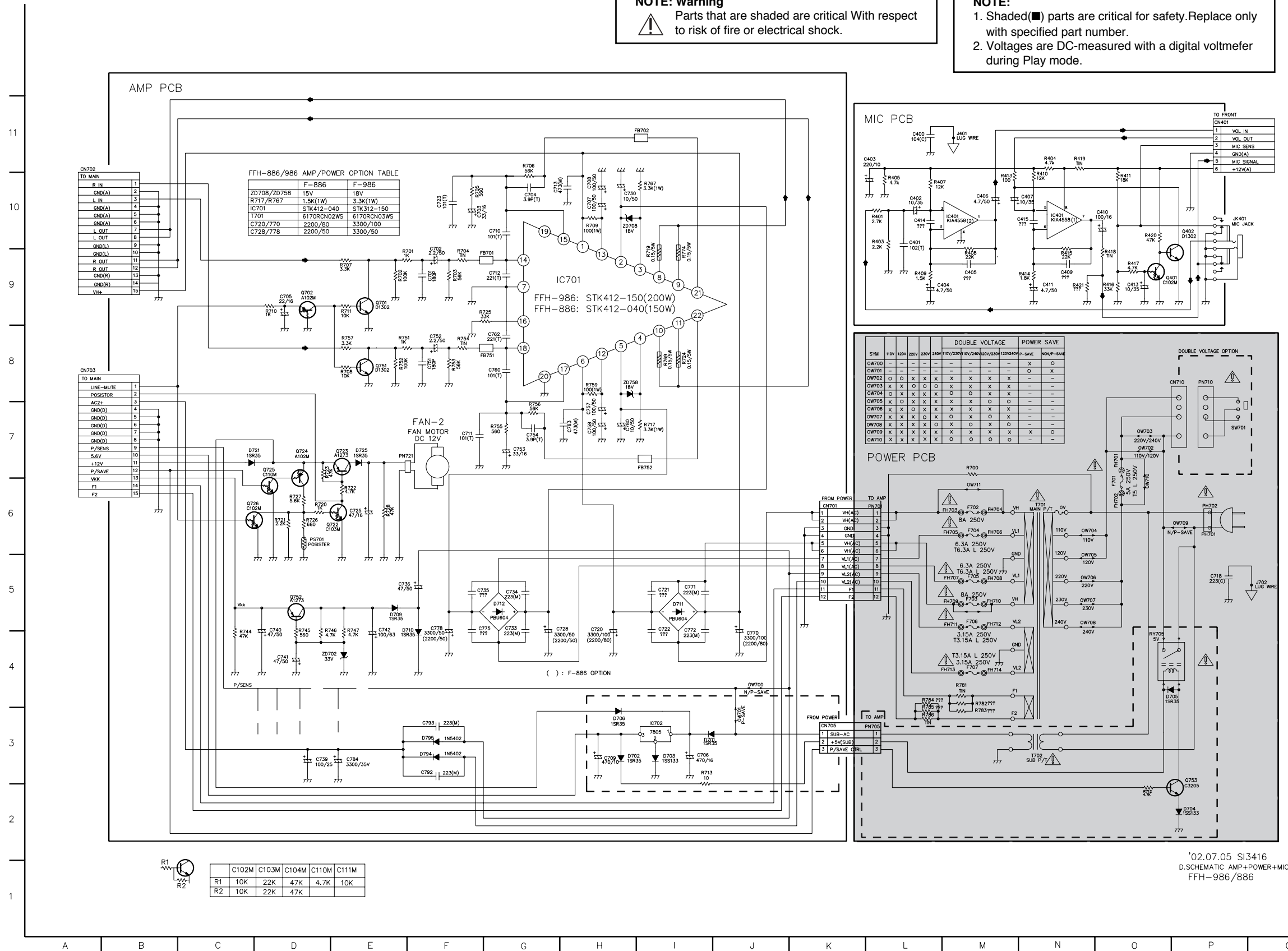
AMP/POWER/MIC SCHEMATIC DIAGRAM

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.

LOCATION GUIDE

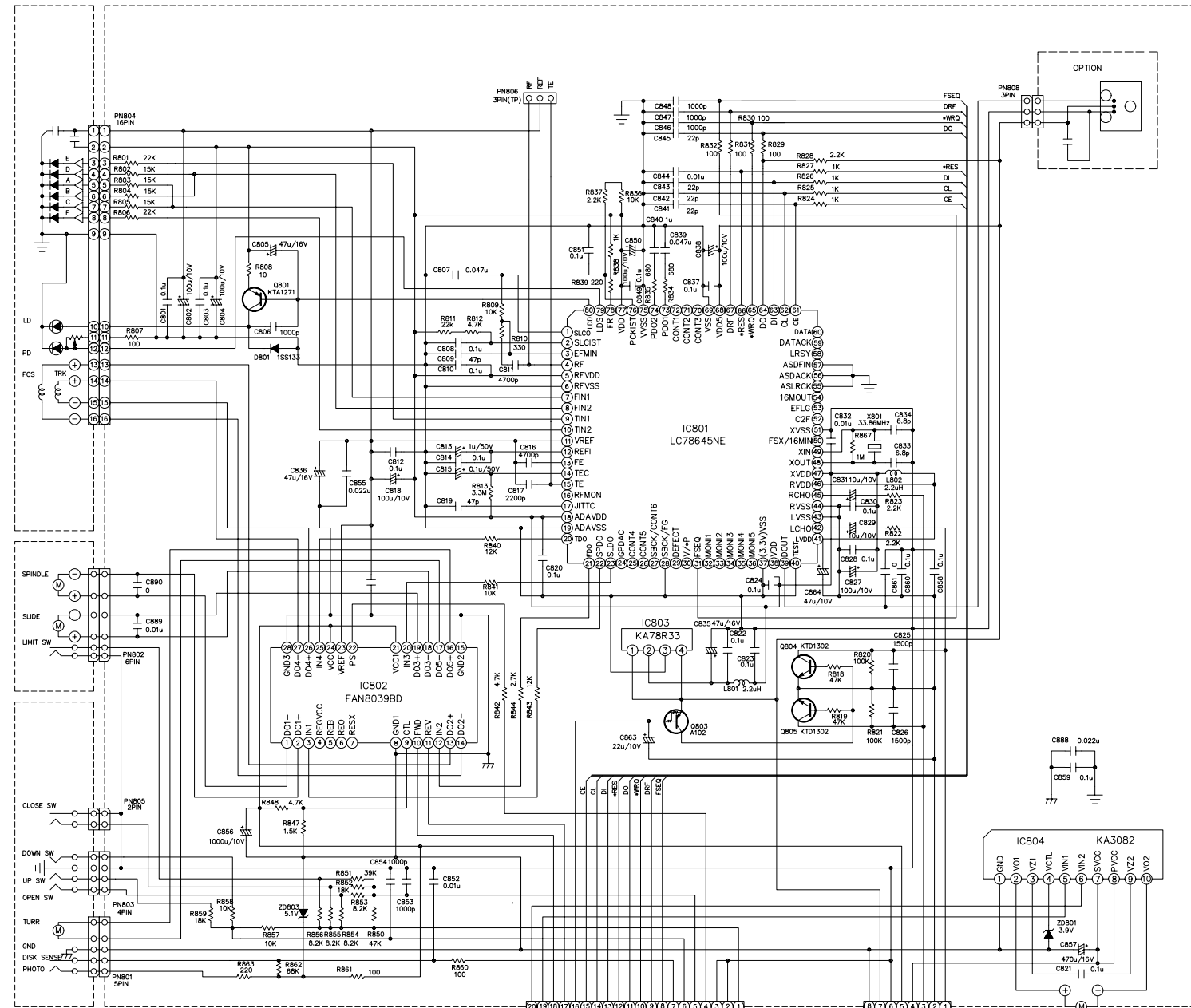
C400	L11	OW700	J4
C401	L10	OW701	J5
C402	L10	OW702	O7
C403	K11	OW703	O7
C404	L9	OW704	N6
C405	M9	OW705	N5
C406	M10	OW706	N5
C407	N10	OW707	N5
C409	N9	OW708	N5
C410	O10	OW709	P6
C411	N9	OW710	M6
C413	O9	OW711	M6
C414	L10	PH701	P6
C415	M10	PH702	P6
C701	F9	PN701	L6
C702	F9	PN705	K3
C703	F10	PN710	P8
C704	G10	PN721	E7
C705	D9	PS701	D6
C706	I3	Q401	O9
C707	H10	Q402	P10
C708	H10	Q701	E9
C709	H3	Q702	D9
C710	G10	Q722	D6
C711	F7	Q723	E7
C712	G9	Q724	D7
C713	G10	Q725	D7
C716	P5	Q726	O6
C720	H5	Q751	E8
C721	I5	Q752	D5
C722	I5	Q753	P3
C723	F10	R401	L10
C725	E6	R403	L10
C728	G5	R404	G5
C730	H10	R405	L10
C733	G5	R407	L10
C734	G5	R408	M9
C735	F5	R409	L9
C736	E5	R410	N10
C737	C3	R411	O10
C738	E3	R413	M10
C739	D3	R414	N9
C740	D4	R415	N9
C741	D4	R416	O9
C742	E4	R417	O9
C751	F8	R418	O9
C752	F8	R419	N11
C753	G7	R420	O10
C754	G7	R421	N9
C757	H7	R700	M7
C758	H7	R701	E9
C760	G8	R702	E9
C762	G8	R703	F9
C763	H7	R704	F9
C770	J4	R705	F10
C771	I5	R706	G11
C772	I4	R707	E9
C775	F5	R708	E8
C778	F5	R709	H10
C780	H7	R710	O9
C784	E3	R711	E9
C792	F3	R712	O2
C793	F3	R713	I3
CN401	P11	R717	I7
CN701	K6	R719	I9
CN702	A11	R720	D6
CN703	K8	R721	D6
CN705	A3	R722	E6
CN710	O8	R723	D7
D701	I3	R724	I8
D702	H3	R725	F9
D703	I3	R726	D6
D704	P2	R727	D6
D705	O4	R728	E6
D706	H3	R742	D3
D708	E4	R743	D4
D709	E5	R744	C4
D710	E4	R745	D4
D711	I5	R746	D4
D712	G5	R747	E4
D721	C7	R751	E8
D725	E7	R752	E8
D794	F3	R753	F8
D795	F3	R754	F8
F701	O6	R755	O7
F702	M6	R756	O7
F703	M5	R757	E8
F704	M6	R759	H8
F705	M5	R767	I10
F706	M5	R769	I8
F707	M4	R774	I9
FAN MOTOR	F9	R781	M4
FB701	F9	R782	M4
FB702	H11	R783	M3
FB751	F8	R784	L4
FB752	I7	R785	L3
FH701	O7	R786	L3
FH702	O6	R787	O4
FH703	M6	SW701	P7
FH704	M6	T701	N6
FH705	M6	T702	N3
FH706	M6	ZD701	D3
FH707	M5	ZD702	D4
FH708	M5	ZD708	H10
FH709	M5	ZD758	H8
FH710	M5		
FH711	M5		
FH712	M5		
FH713	L4		
FH714	M4		
IC401	N10		
IC701	G9		
IC702	I3		
J401	M11		
J702	Q5		
JK401	P10		



• CDP SCHEMATIC DIAGRAM

LOCATION GUIDE

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'02.05.15 SI3615
SANYO 3CDP MAIN

*RES	L10	R819	K5
*RES	L4	R820	L5
*WRQ	L10	R821	L5
*WRQ	J4	R822	L7
C801	E9	R823	L7
C802	E9	R824	K10
C803	F9	R825	K10
C804	F9	R826	K10
C805	F9	R827	K10
C806	F8	R828	K10
C807	H9	R829	K10
C808	H8	R830	J10
C809	H8	R831	J10
C810	H8	R832	J10
C811	H8	R834	J9
C812	G7	R835	J9
C813	H7	R836	I10
C814	H7	R837	I10
C815	H7	R838	I9
C816	H7	R839	I9
C817	H7	R840	H6
C818	G7	R841	H6
C819	H7	R842	H5
C820	I6	R843	I5
C821	M3	R844	H5
C822	J6	R847	F4
C823	J5	R848	F4
C824	K6	R850	G3
C825	L6	R851	G3
C826	L5	R852	G3
C827	K6	R853	G3
C828	K6	R854	G3
C829	L7	R855	G3
C830	L7	R856	G3
C831	K7	R857	F3
C832	K8	R858	F3
C833	L7	R859	E3
C834	L8	R860	J3
C835	L6	R861	J6
C836	F7	R862	F3
C837	J9	R863	F3
C838	J9	R867	L8
C839	J9	X801	L8
C840	J9	ZD801	M3
C841	J10	ZD803	F3
C842	J10		
C843	J10		
C844	J10		
C845	J10		
C846	J10		
C847	J10		
C848	J11		
C849	J9		
C850	I9		
C851	I9		
C852	H3		
C853	G3		
C854	G4		
C855	G7		
C856	F4		
C857	M3		
C858	L6		
C859	M4		
C860	L6		
C861	L6		
C863	I5		
C864	K6		
C888	M5		
C889	E6		
C890	E6		
CE	L10		
CE	I4		
CL	L10		
CL	I4		
D801	F8		
DI	L10		
DI	I4		
DO	L10		
DO	I4		
DRF	L11		
DRF	J4		
FSEQ	L11		
FSEQ	J4		
IC801	J8		
IC802	G5		
IC803	J6		
IC804	M4		
L801	J5		
L802	L7		
PN801	E3		
PN802	E5		
PN803	E3		
PN804	E10		
PN805	E4		
PN806	H11		
PN807	L2		
PN808	M11		
PN809	K2		
Q801	F9		
Q803	J5		
Q804	K6		
Q805	K5		
R801	E10		
R802	E10		
R803	E10		
R804	E10		
R805	E10		
R806	E10		
R807	E8		
R808	F9		
R809	H9		
R810	H8		
R811	H9		
R812	H9		
R813	H7		
R818	K5		

A B C D E F G H I J K L M N O P Q

WIRING DIAGRAM

NOTE: Warning

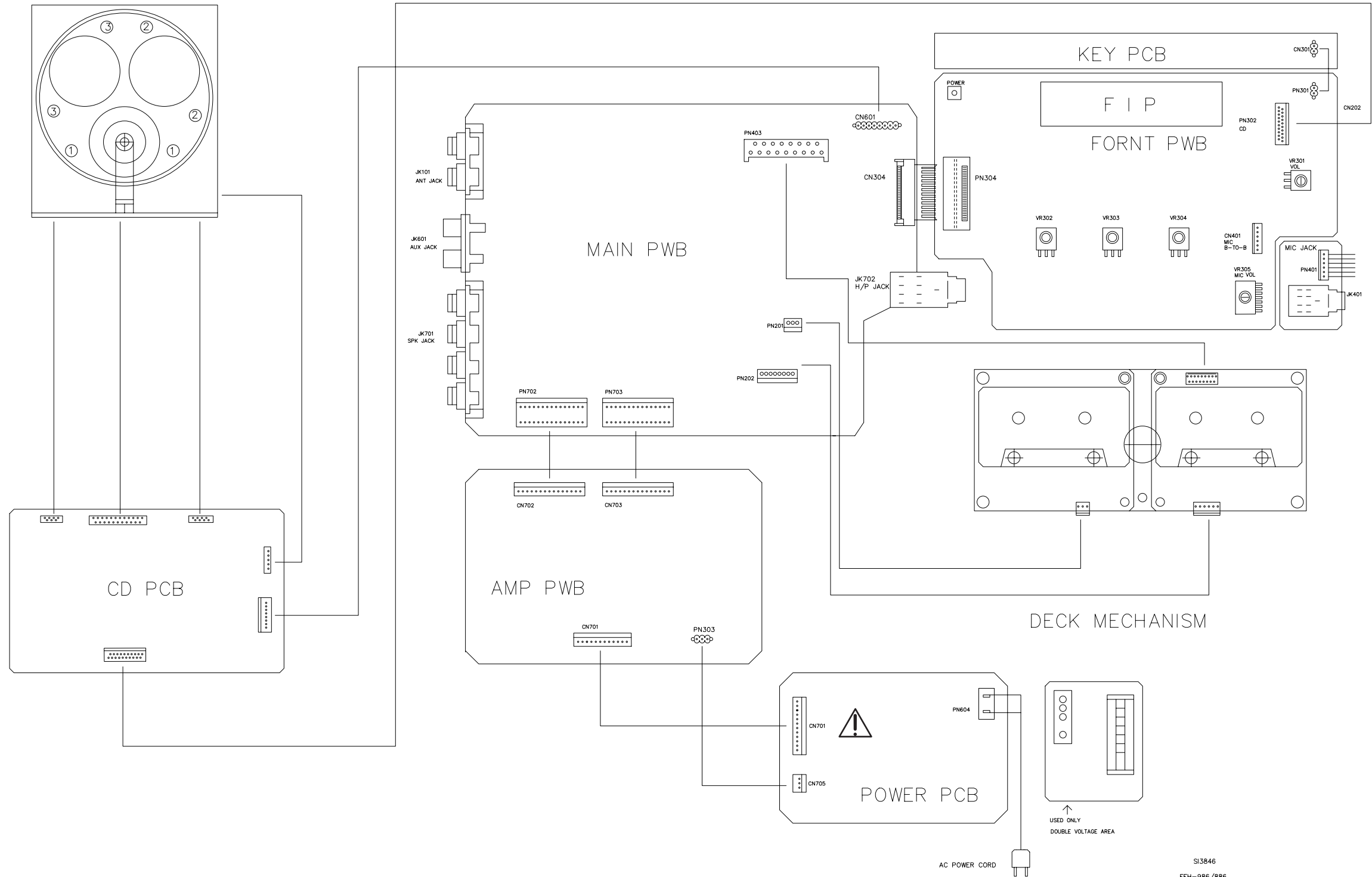


Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:

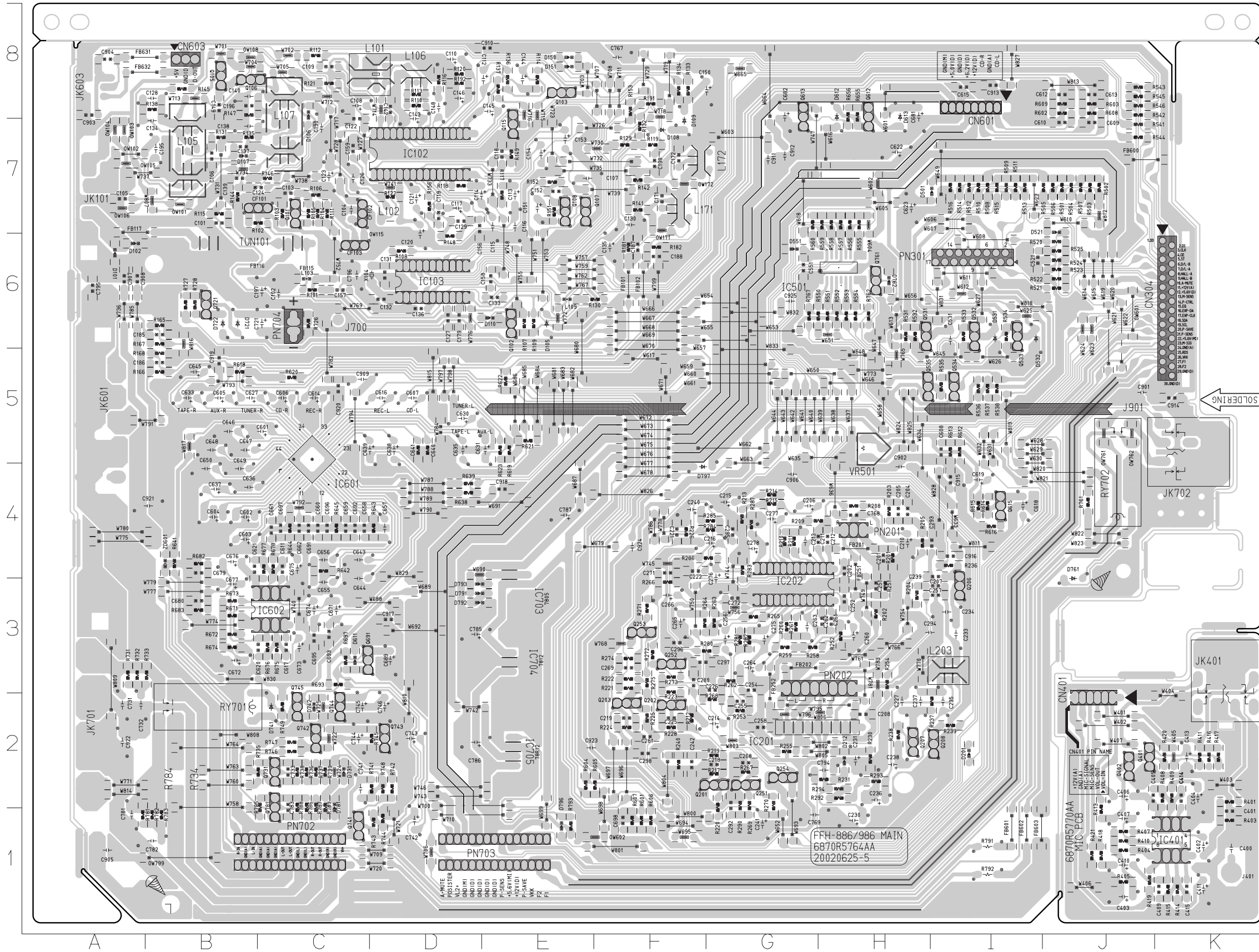
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.

3CD CHANGER MECHANISM ASSY



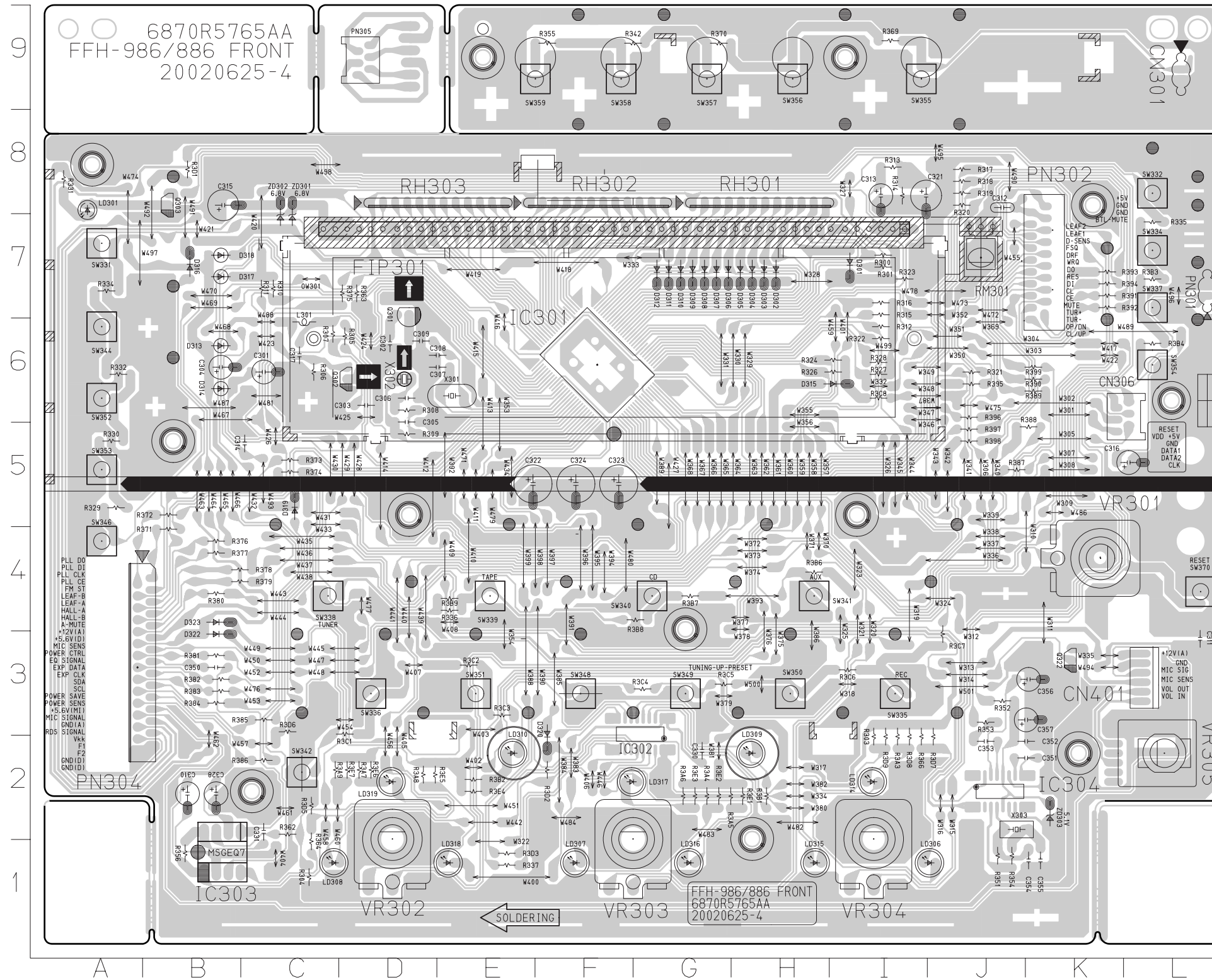
PRINTED CIRCUIT DIAGRAMS

• MAIN P.C. BOARD (SOLDER SIDE)



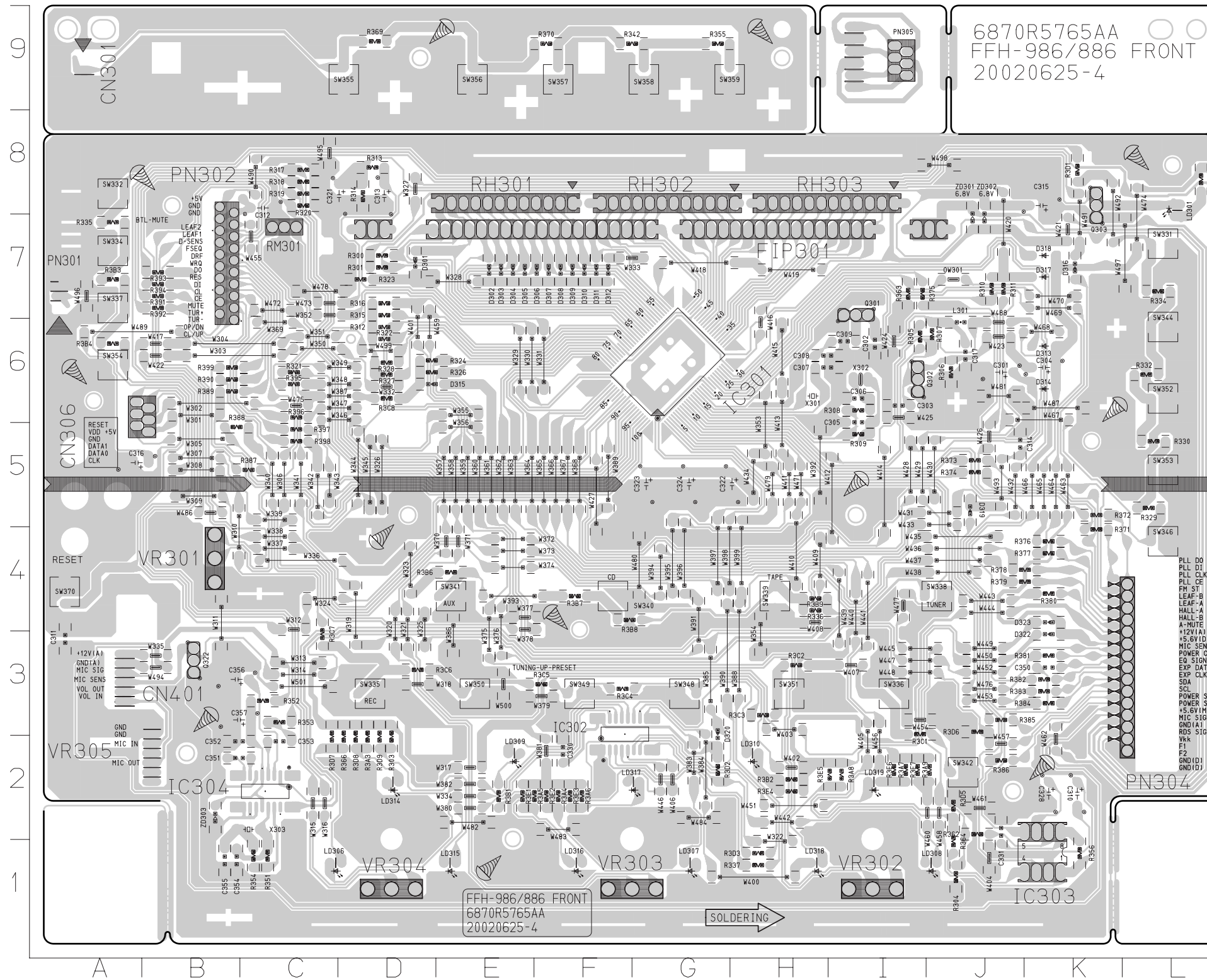
IC501 H6
IC601 C5

• FRONT P.C. BOARD(COMPONENT SIDE)




C301	C6	LD301	A8	R354	J1	R3C8	I6
C302	D6	LD306	J1	R355	F9	R3D1	B8
C303	D6	LD307	F1	R356	B1	R3D2	F2
C304	B6	LD308	C1	R362	C2	R3D3	E1
C305	D5	LD309	H2	R363	D7	R3D5	C3
C306	D6	LD310	E2	R364	C1	R3D6	C2
C307	E6	LD314	I2	R366	I2	R3D7	J2
C308	E6	LD315	H1	R369	I9	R3D8	I2
C309	D6	LD316	G1	R370	G9	R3D9	I2
C310	B2	LD317	F2	R371	B4	R3E1	H2
C311	L3	LD318	E1	R372	B5	R3E2	G2
C312	J8	LD319	D2	R373	C5	R3E3	G2
C313	I8	OW301	C7	R374	C5	R3E4	E2
C314	C5	PN301	L7	R375	D7	R3E5	D2
C315	B8	PN302	K6	R376	B4	R3E6	D2
C316	L5	PN304	A3	R377	B4	R3E7	D2
C317	C6	PN305	D9	R378	B4	RH301	G8
C321	I8	Q301	D7	R379	B4	RH302	E8
C322	E5	Q302	D6	R380	B4	RH303	D8
C323	F5	Q303	B8	R381	B3	RM301	J7
C324	F5	Q322	K3	R382	B3	SW331	A7
C328	B2	R300	I7	R383	B3	SW332	L8
C330	G2	R301	I7	R384	B3	SW334	L7
C331	C2	R303	I2	R385	C3	SW335	I3
C350	B3	R304	C1	R386	C2	SW336	D3
C351	K2	R305	D6	R387	J5	SW337	L7
C352	K2	R306	C6	R388	K5	SW338	C4
C353	J2	R307	C6	R389	K6	SW339	E4
C354	K1	R308	D6	R390	K6	SW340	G4
C355	K1	R309	D5	R391	K7	SW341	H4
C356	K3	R310	C7	R392	K7	SW342	C2
C357	K3	R311	C7	R393	K7	SW344	A6
CN301	L9	R312	I6	R394	K7	SW346	A4
CN306	K5	R313	I8	R395	J6	SW348	F3
CN401	L3	R314	I8	R396	J6	SW349	G3
D301	I7	R315	I7	R397	J5	SW350	H3
D302	H7	R316	I7	R398	J5	SW351	E3
D303	H7	R317	J8	R399	K6	SW352	A6
D304	H7	R318	J8	R3A3	I2	SW353	A5
D305	H7	R319	J8	R3A4	G2	SW354	L6
D306	G7	R320	J8	R3A5	G2	SW355	I9
D307	G7	R321	J6	R3A6	G2	SW356	H9
D308	G7	R322	I6	R3A7	D2	SW357	G9
D309	G7	R323	I7	R3A8	D2	SW358	F9
D310	G7	R324	I6	R3A9	C2	SW359	F9
D311	G7	R326	I6	R3B1	H2	SW370	L4
D312	G7	R327	I6	R3B2	E2	VR301	K4
D313	B6	R328	I6	R3B3	L7	VR302	D2
D314	B6	R329	A5	R3B4	L6	VR303	F2
D315	I6	R330	A5	R3B6	H4	VR304	I2
D316	B7	R331	A8	R3B7	G4	VR305	L2
D317	B7	R332	A6	R3B8	G4	X301	E6
D318	B7	R334	A7	R3B9	E4	X302	D6
D319	C5	R335	L7	R3C1	D3	X303	J2
D320	F3	R336	E4	R3C2	E3	ZD301	C7
D322	B3	R337	E1	R3C3	E3	ZD302	C7
D323	B4	R342	F9	R3C4	G3	ZD303	K2
FIP301	F7	R351	J1	R3C5	G3		
IC303	B1	R352	J3	R3C6	I3		
L301	C6	R353	J3	R3C7	J3		

• FRONT P.C. BOARD(SOLDER SIDE)

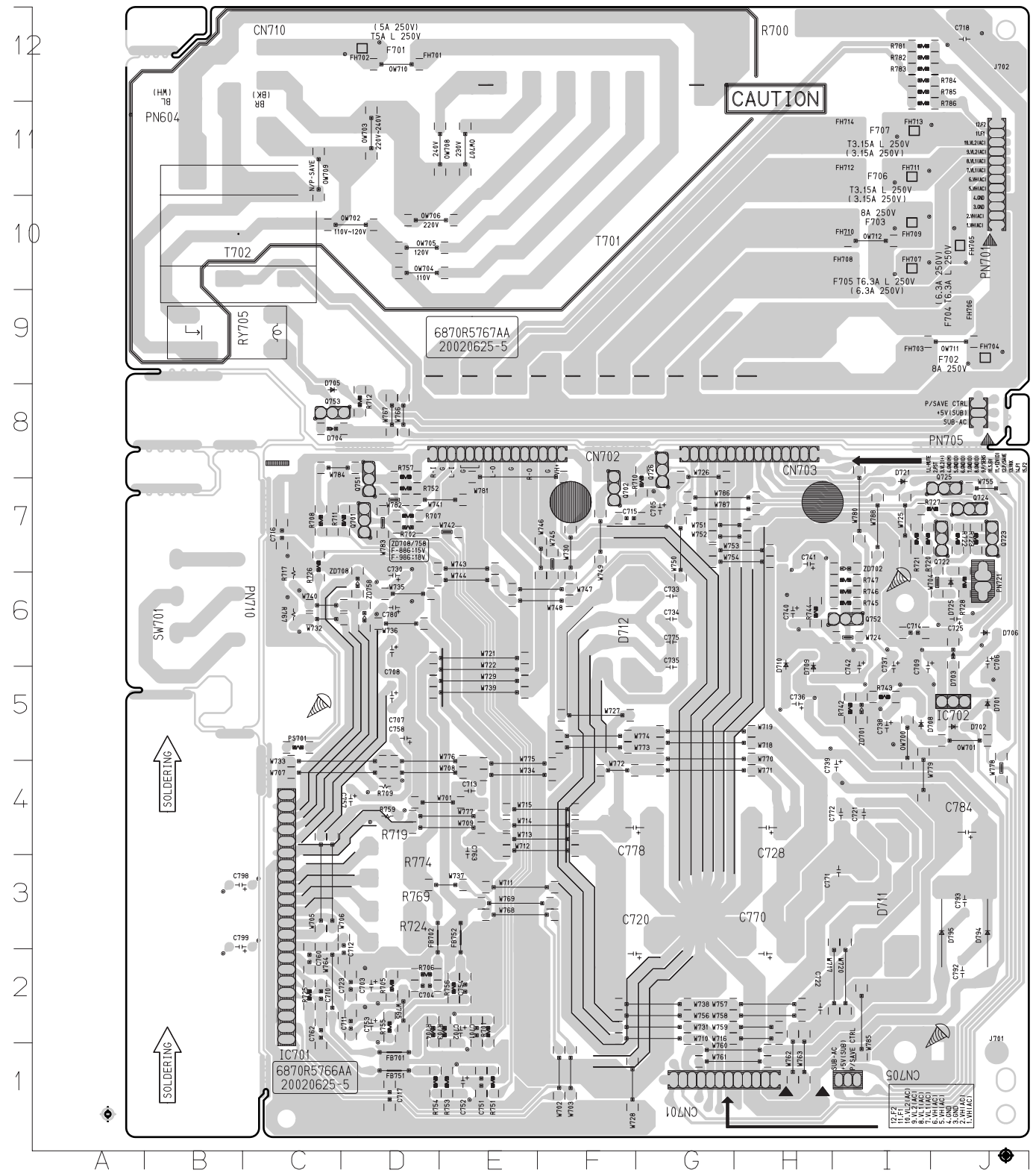


IC301	G6
IC302	F3
IC304	C2

• AMP & POWER P.C. BOARD

NOTE: Warning
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GoldStar Audio PBT

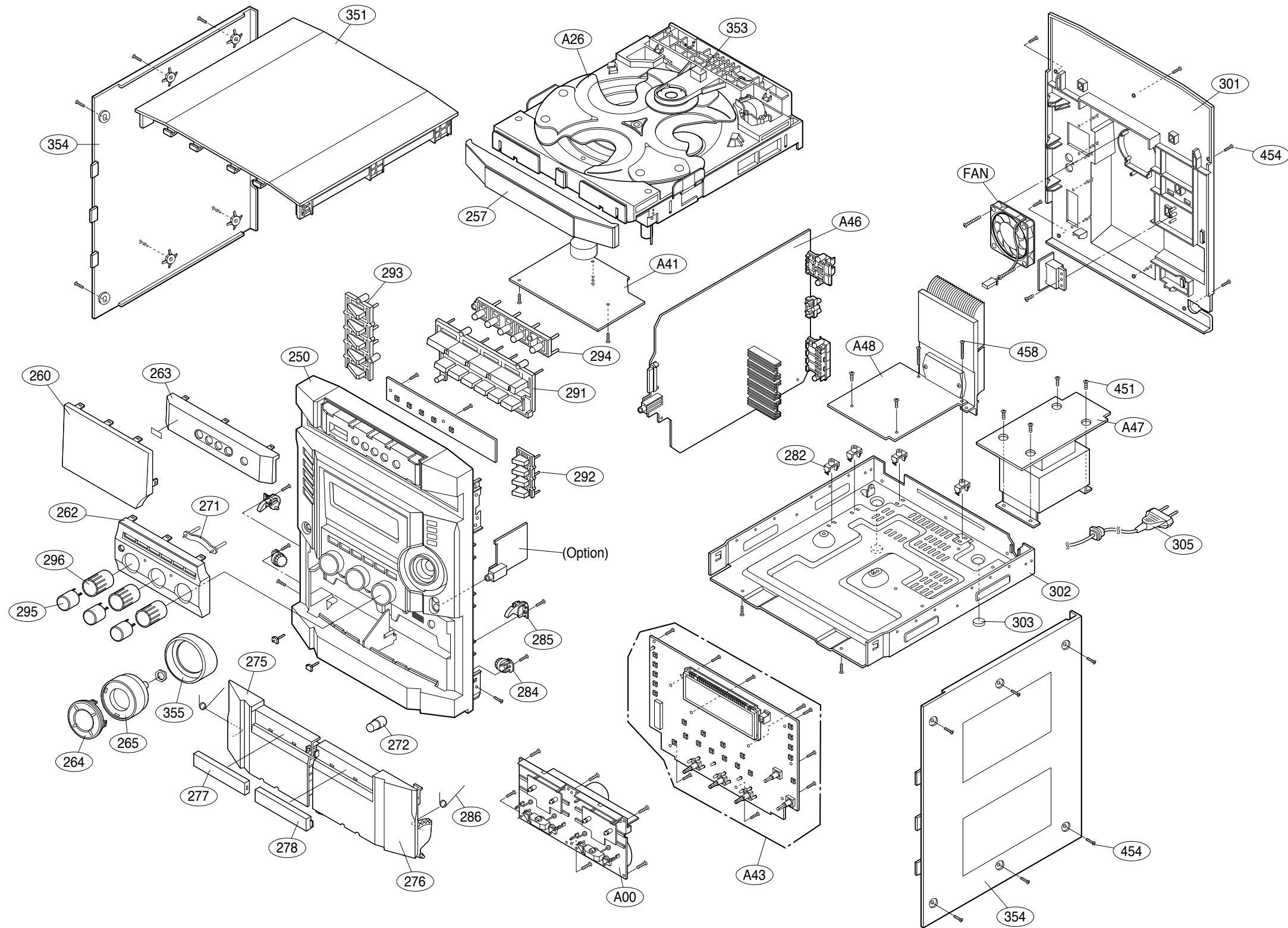


C701	E2	D701	J5	Q724	J7
C702	E2	D702	J5	Q725	J7
C703	D2	D703	J6	Q726	G8
C704	D2	D704	C8	Q751	D7
C705	G7	D705	C8	Q752	I6
C706	J6	D706	J6	Q753	C8
C707	D5	D708	I5	R700	H12
C708	D6	D709	H5	R701	E2
C709	I5	D710	H6	R702	D7
C710	C2	D711	I3	R703	E2
C711	D2	D712	F6	R704	D2
C712	D2	D721	I7	R705	D2
C713	E4	D725	J6	R706	D2
C714	I6	D794	J3	R707	D7
C715	F7	D795	J3	R708	C7
C716	C7	FB701	D1	R709	D4
C717	D1	FB702	D3	R710	G7
C718	J12	FB751	D1	R711	D7
C720	F3	FB752	E3	R712	D8
C721	I4	FH701	D12	R717	C6
C722	H2	FH702	D12	R719	D4
C723	D2	FH703	I9	R720	I7
C725	J6	FH704	J9	R721	I7
C728	H4	FH705	J10	R722	J7
C730	D6	FH706	J9	R723	J7
C733	G6	FH707	I10	R724	D3
C734	G6	FH708	I10	R725	C2
C735	G5	FH709	I10	R726	C7
C736	H5	FH710	I10	R727	J7
C737	I5	FH711	I11	R728	J6
C738	I5	FH712	I11	R742	I5
C739	I4	FH713	I11	R743	I5
C740	H6	FH714	I11	R744	H6
C741	H7	IC701	C3	R745	I6
C742	I5	IC702	J5	R746	I6
C751	E1	J701	J1	R747	I6
C752	E1	J702	J12	R751	E1
C753	D2	OW700	I5	R752	D7
C754	E2	OW701	J5	R753	E1
C757	D4	OW702	D10	R754	D1
C758	D5	OW703	D11	R755	D2
C760	C2	OW704	D10	R756	E2
C762	C2	OW705	D10	R757	D8
C763	E4	OW706	D10	R759	D4
C770	H3	OW707	E11	R767	C6
C771	I3	OW708	E11	R769	D3
C772	I4	OW709	C11	R774	D3
C775	G6	OW710	D12	R781	I12
C778	F4	OW711	J9	R782	I12
C780	D6	OW712	I10	R783	I12
C784	J4	PN604	B12	R784	I12
C792	J2	PN701	J10	R785	I12
C793	J3	PN705	J8	R786	I11
C798	B3	PN710	B7	RY705	B9
C799	B3	PN721	J6	SW701	B6
CN701	H1	P5701	C5	T702	B10
CN702	D8	Q701	D7	ZD701	I5
CN703	G8	Q702	F7	ZD702	I7
CN705	I1	Q722	J7	ZD708	D6
CN710	C12	Q723	J7	ZD758	D6

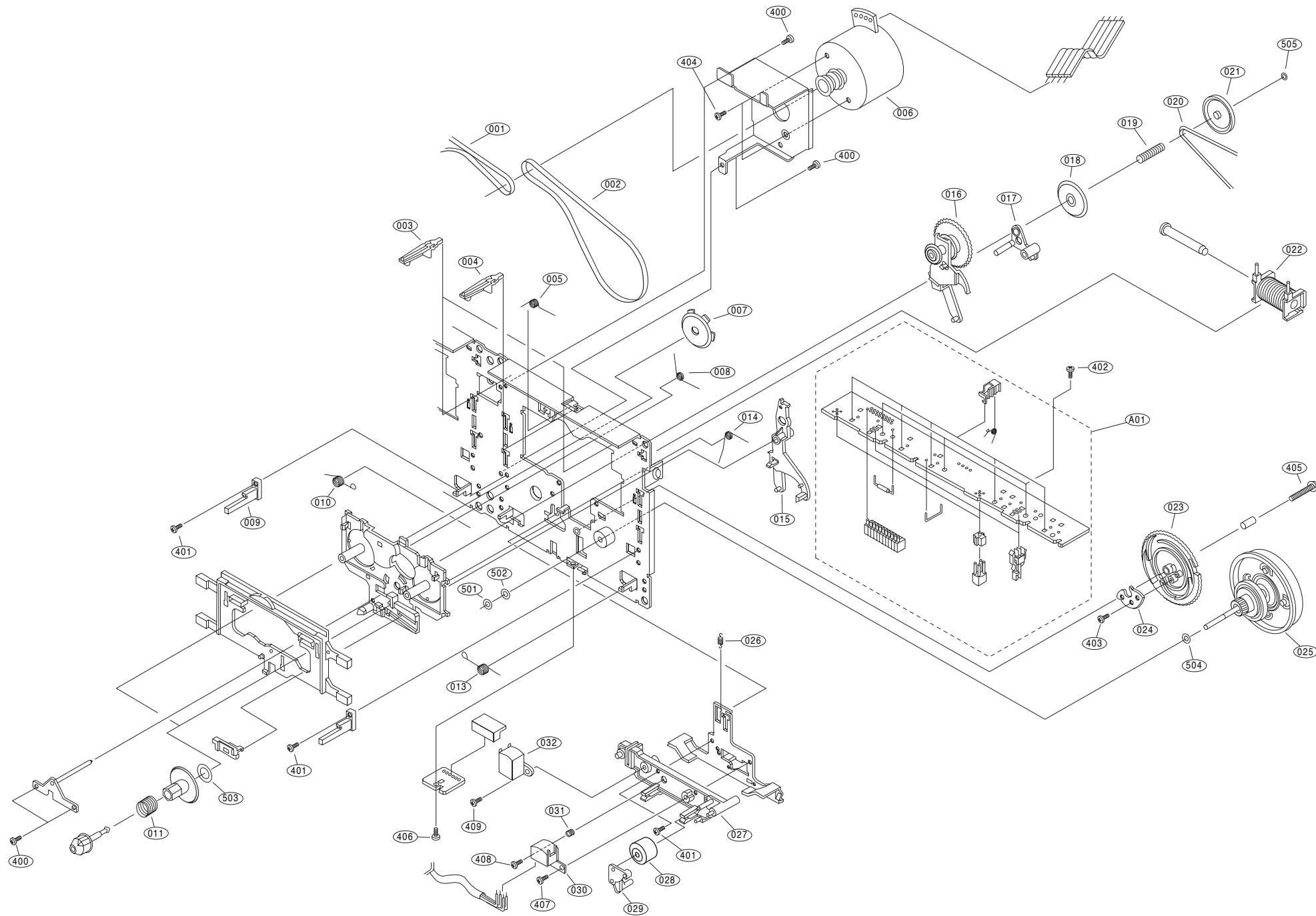
SECTION 3. EXPLODED VIEWS

• CABINET AND MAIN FRAME SECTION

NOTE) Refer to "SECTION 5 REPLACEMENT PARTS LIST" in order to look for the part number of each part.



• TAPE DECK MECHANISM: AUTO STOP DECK(OPTIONAL)



• TAPE DECK MECHANISM: AUTO REVERSE DECK

