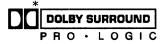
AV Control Stereo Receiver







	Colour		
Area	(K) E	Black Type	
Suffix for Model No.	Area	Colour	
(P)	U.S.A.	(K)	
(PC)	Canada	(14)	

Manufactured under license from Dolby Laboratories Licensing Corporation. Additinnally licensed under one or more of the following patents: U.S. numbers 3,632,886,3,746,792 and 3,959,590; Canadian numbers 1,004,603 and 1,037,877. "Dolby" and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

■ Specifications

■ FM Tuner Section	
Frequency range	87.9 — 107.9 MHz
Sensitivity	11.2 dBf (2μV, IHF '58)
50 dB quieting Sensitivity	
MONO	18.3 dBf (4.5μV, IHF '58)
STEREO	38.3 dBf (45μV, IHF '58)
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	73 dB
STEREO	67 dB
Frequency response	20 Hz — 15 kHz (+1dB, -2dB)
Alternate channel selectivity	65 dB
Capture ratio	1.5 dB
Image rejection at 98MHz	40 dB
Spurious response rejection at 98M	Hz 75 dB
AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
10kHz	30 dB
Antenna terminal(s)	75Ω (unbalanced)

AM Tuner Section

Frequency range	530 — 1710 kHz
Sensitivty	20μV, 330μV/m
Selectivity	55 dB
IF rejection at 1000kHz	50 dB

■ Video Section

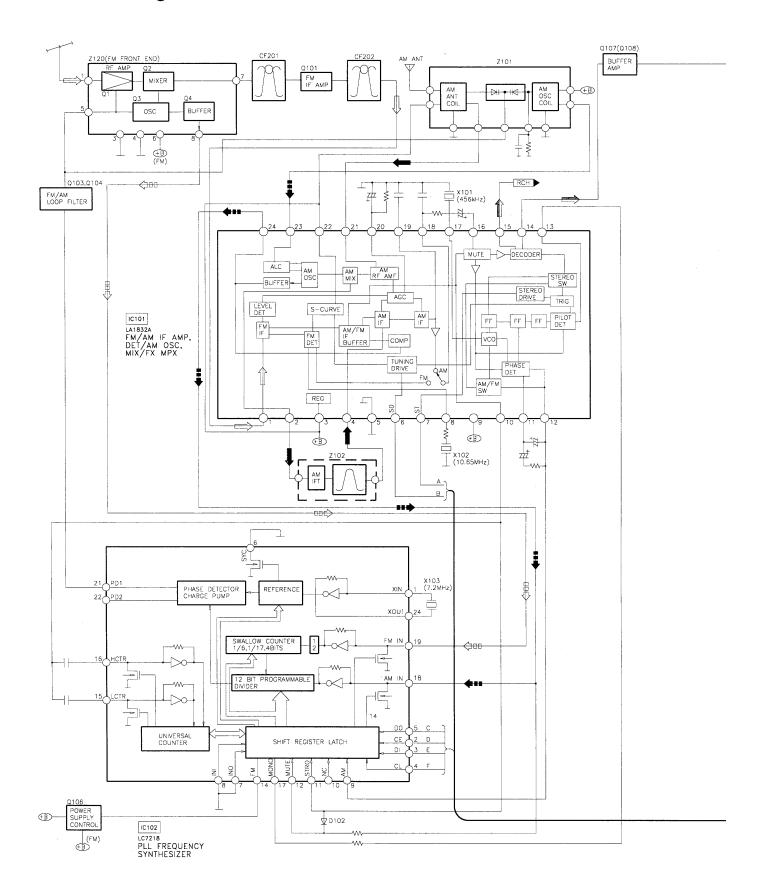
Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 Ω

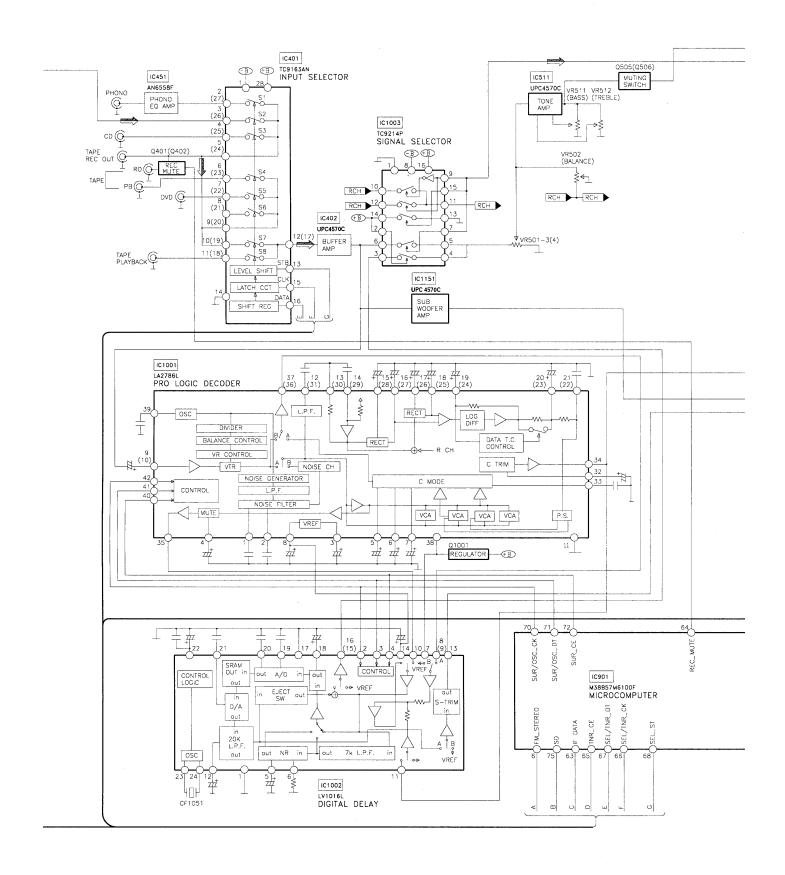
■ Amplifier Section					
Rated minimum sine wave RMS power output					
20 Hz–20 kHz both channels driv					
0.05% total hamonic distortion	100 W per channel (8 Ω)				
1 kHz continuous power output					
both channels driven 0.05% total					
hamonic distortion	105 W per channel (8 Ω)				
Total harmonic distortion					
Rated power at 20 Hz – 20 kHz	$0.05\% (8\Omega)$				
Half power at 1 kHz	$0.03\% (8\Omega)$				
Power output at the Dolby Pro Logic	operation				
0.9% at 1 kHz,	0 V 400 W (00)				
Front	2 X 100 W (8Ω)				
Center	100 W (8Ω)				
Surround	2 X100 W (8Ω)				
Low frequency damping factor	30 (8Ω)				
Load impedance Front					
A or B	8Ω				
A and B	8 Ω				
Center	8 Ω				
Surround	8Ω				
Dynamic headroom	2 dB (8Ω)				
Frequency response	2 45 (622)				
PHONO	RIAA standard curve ± 0.8 dB				
CD, TAPE, DVD, VCR, TV/DSS	10 Hz – 70 kHz, + 3 dB				
Input sensitivity					
PHONO	0.4 mV (3mV, IHF '66)				
CD, TAPE, DVD, VCR, TV/DSS	27 mV (200mV, IHF '66)				
S/N (IHF A)	·				
PHONO	70 dB (80dB, IHF '66)				
CD, TAPE, DVD, VCR, TV/DSS	75 dB (85dB, IHF '66)				
Inputimpedance					
PHONO	47 kΩ				
CD, TAPE, DVD, VCR, TV/DSS	22 kΩ				
Tone controls					
BASS	50 Hz, +10 to -10 dB				
TREBLE	20 kHz, +10 to -10 dB				
Sub-Woofer frequency response	7 -100 Hz, <u>+</u> 3 dB				

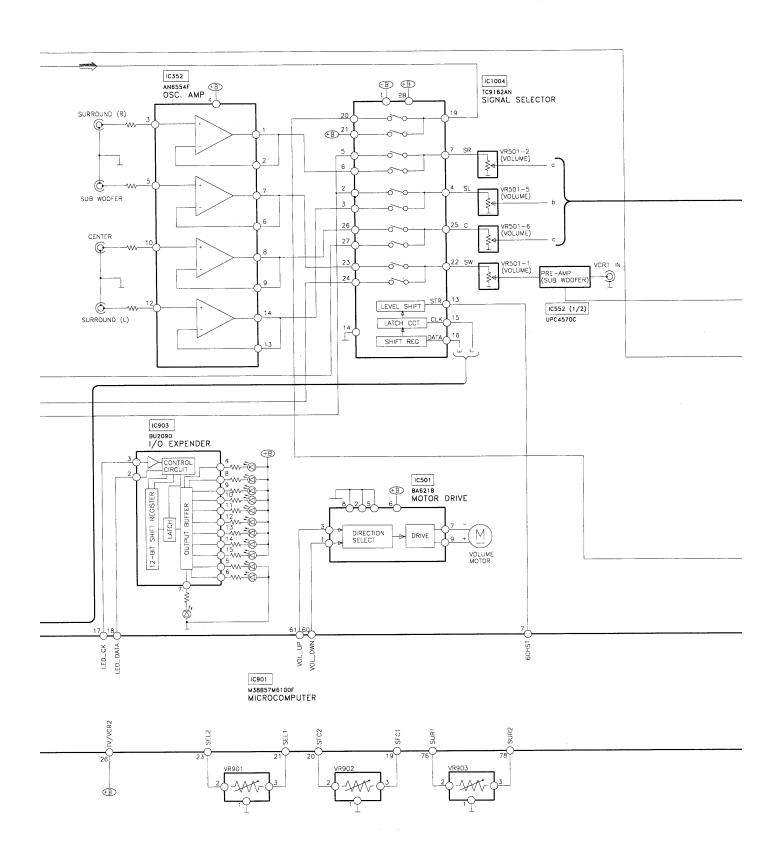


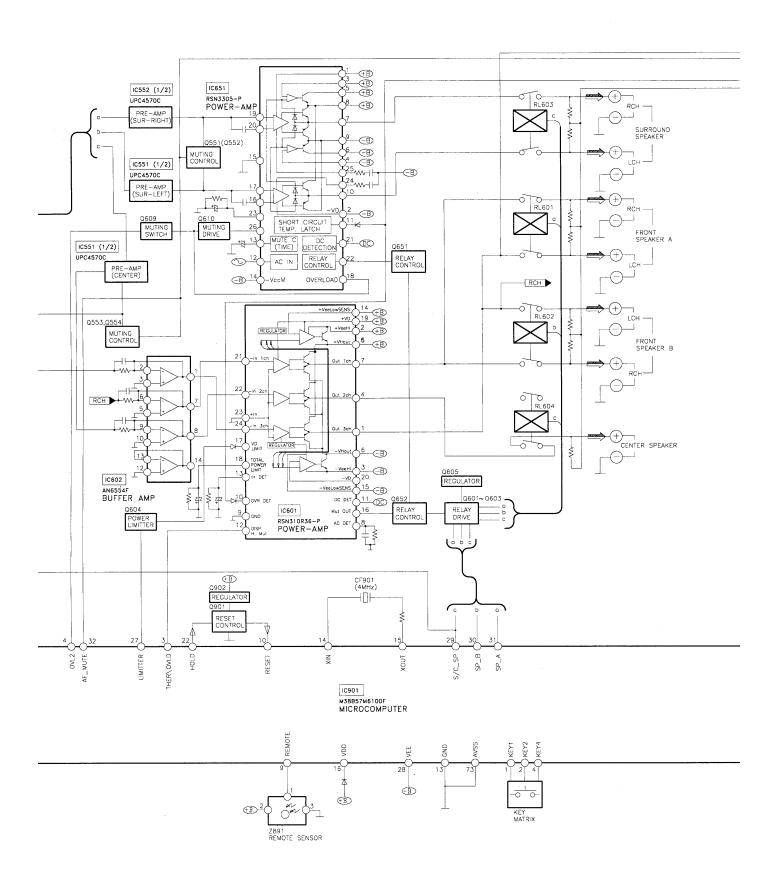
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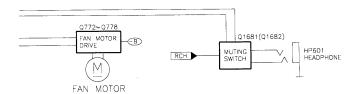
■ Block Diagram

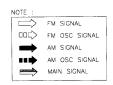


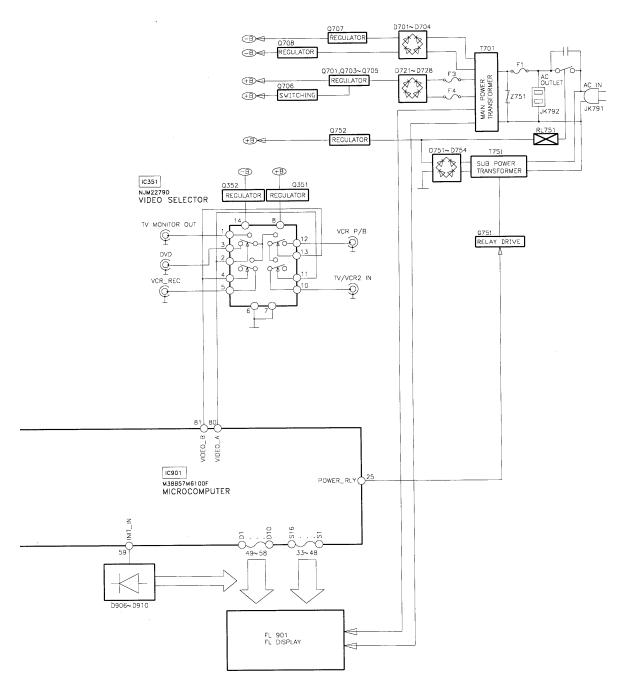












■Terminal Functions Of ICs

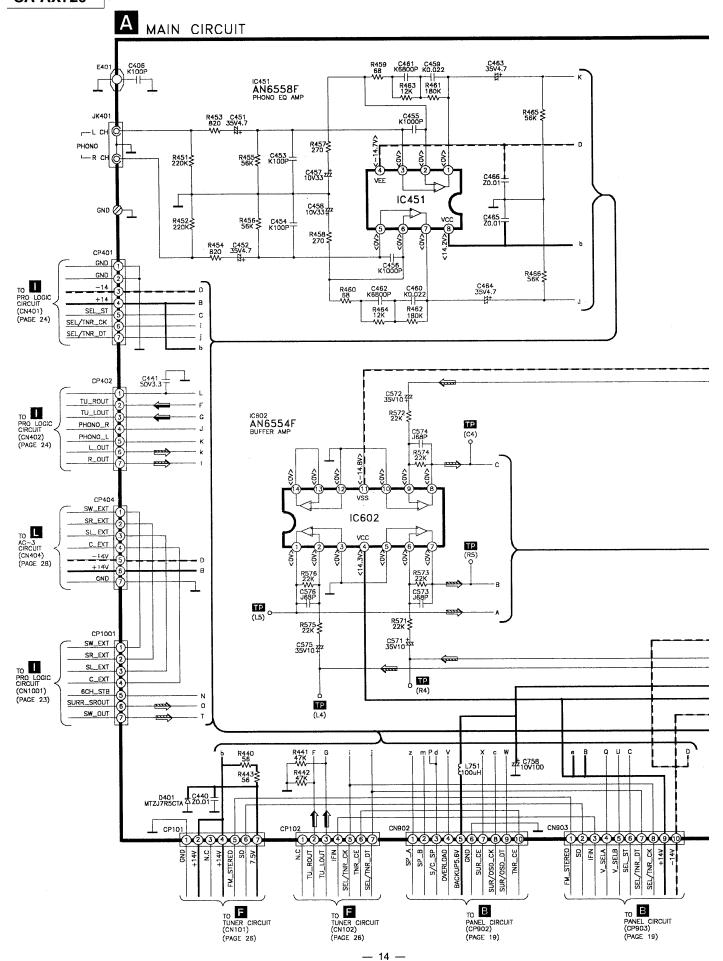
• IC901 (M38B57M6100F) System Microprocessor

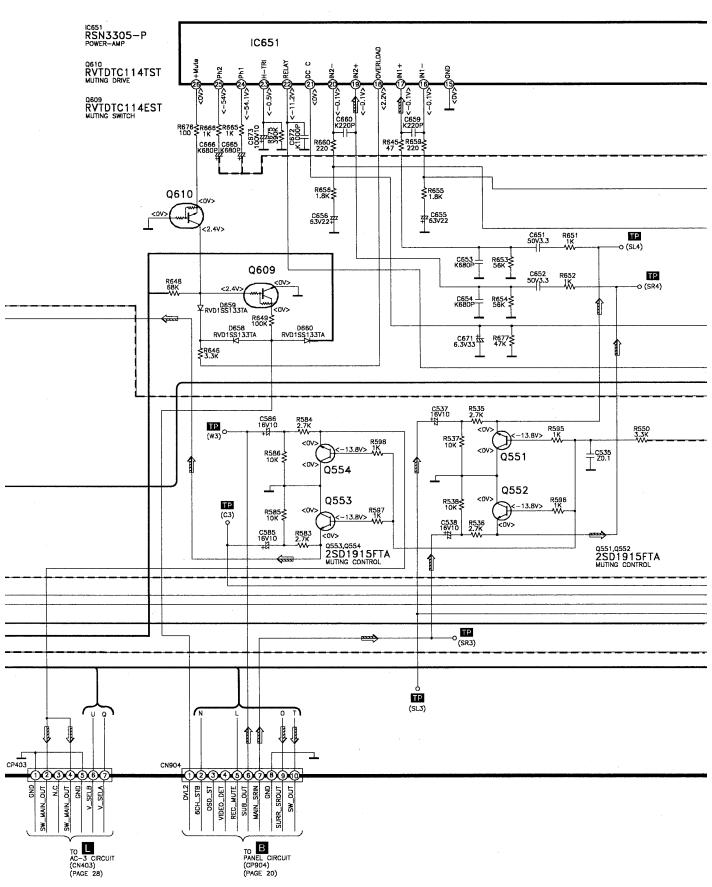
, 32=21, 2,21				
Pin No.	Mark	1/0	Function	
1~2	KEY2~KEY1	1	Key Input 1 ~ 2	
3	THERM/OVLD1	1	Thermal/Over load input 1	
4	KEY4	1	Key Input 4	
5	THERMOVLD2	1	Thermal/Over load input 2	
6	FM_ST	ı	Stereo signal detect terminal	
7	WAKE_LED	0	Wake up timer LED	
8	RDS_ST	ı	Control of RDS IC (ST) stereo signal	
9	REMOTE	١	Remote control terminal	
10	RESET	-	Reset detect terminal	
11	RDS_CK	1	Control of RDS IC (CK) clock signal	
12	RDS_DT	ı	Control of RDS IC (DT) data signal	
13	GND	_	GND terminal	
14	ocs	_	Crystal oscillator terminal (4 MHz)	
15	ocs	_	Crystal oscillator terminal (4 MHz)	
16	VDD (+5V)	_	Power supply terminal +5V	
17	LED_IC_CK	0	LED driver IC (CK) clock signal	
18	LED_IC_DT	0	LED driver IC (DT) data signal	
19	SFC/PTY_ENCD1	ı	SFC mode encoder input 1	
20	SFC/PTY_ENCD2	1	SFC mode encoder input 2	
21	SEL_ENCD1	1	Selector encoder for input 1	
22	HOLD	ı	Blackout detection terminal	
23	SEL_ENCD2	ı	Selector encoder for input 2	
24	FRT_VCR2	ı	VCR2 control input	
25	RELAY	_	Relay control output	
26	ABS	0	ABS control output	
27	6ch_SW_ST	0	6 ch sw control output (ST)	
28	Vee (-22V)	_	Power supply for FL driver	
29	S/C_SP	0	Surround/Center speaker control output	

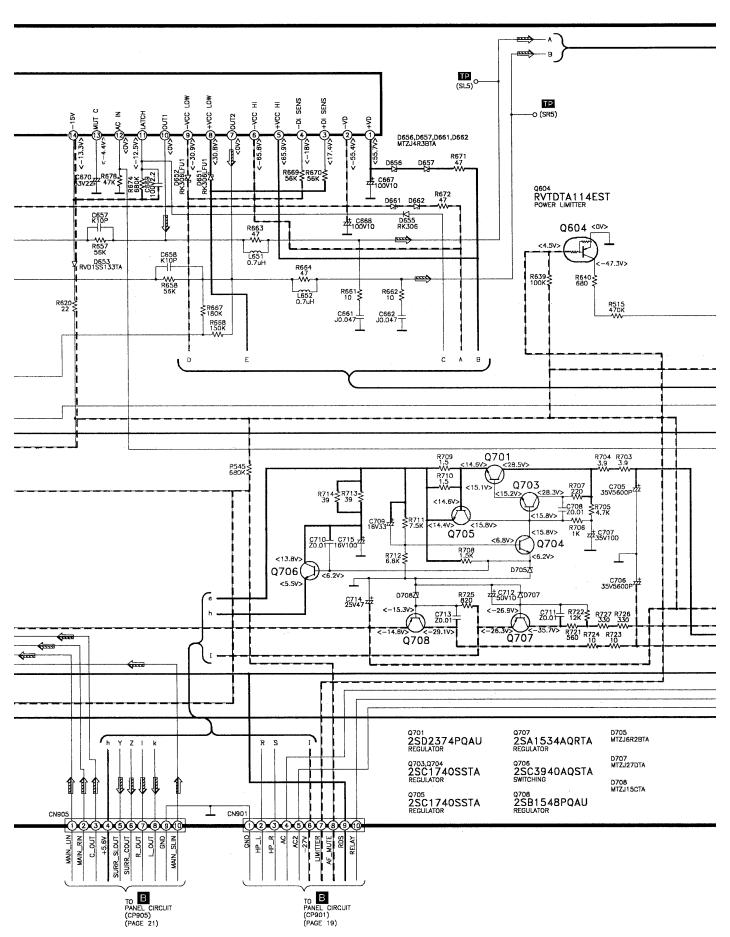
Pin No.	Mark	1/0	Function	
30	SP_B	0	Speaker B control output	
31	SP_A	0	Speaker A control output	
32	AF_MUTE	0	Muting control output	
33~48	SEG16~SEG1	0	FL segment signal output	
49~58	DEG1~DEG10	0	FL digit signal output	
59	INIT_IN	ı	Diode input initial settings	
60	VOL_DOWN	0	Volume control output (Down)	
61	VOL_UP	0	Volume control output (Up)	
62	REC_MUTE	0	REC Mute control	
63	IF_DATA	ı	Serial data signal	
64	LIMITTER	0	Power limitter control output	
65	TNR_CE	0	Tuner control (CE) chip enable signal	
66	SEL/TNR_CK	0	Selector/Tuner (CK) clock signal	
67	SEL/TNR_DT	0	Selector/Tuner (DT) data signal	
68	SEL_ST	0	Selector control terminal	
69	MMD_CTRL	0	MMD control terminal	
70	SURR_CK	0	Surround control (CK) clock signal	
71	SURR_DT	0	Surround control (DT) data signal	
72	SURR_CE	0	Surround control (CE) chip enable signal	
73	AVSS	-	GND for A-D converter	
74	VREF	_	Reference voltage for A-D converter	
75	SD	ı	SD signal detect input	
76	SUR_ENCD1	ı	Encoder of surround mode selector input1	
77	HELP_LED	0	Help LED control output	
78	SUR_ENCD2	1	Encoder of surround mode selector input2	
79	VIDEO_A	0	Video selector control output A	
80	VIDEO_B	0	Video selector control output B	

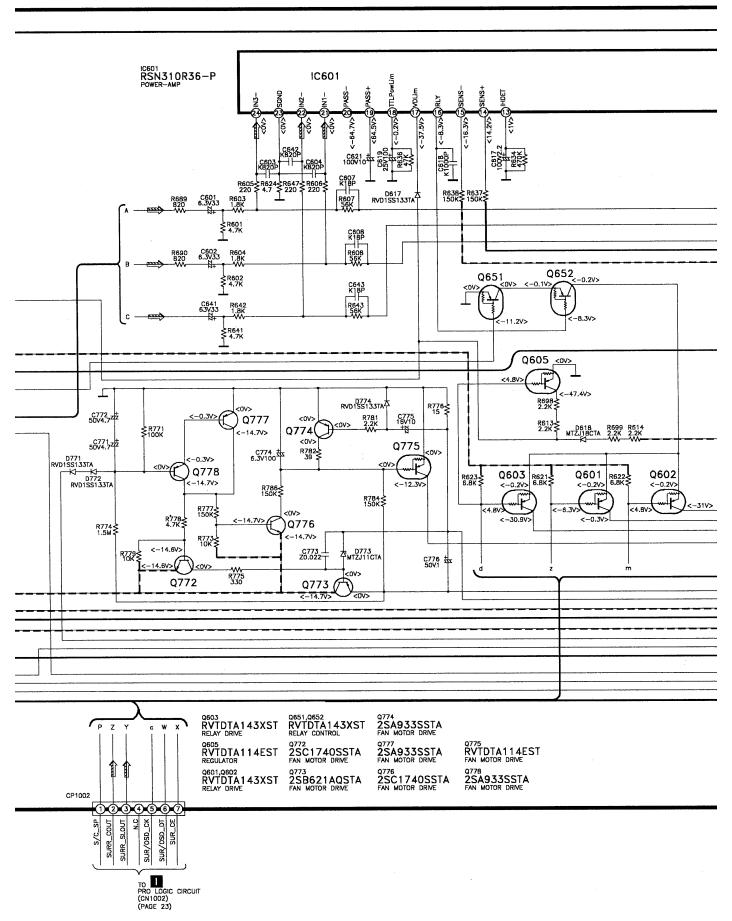
■ Terminal Guide of ICs, Transistors and Diodes

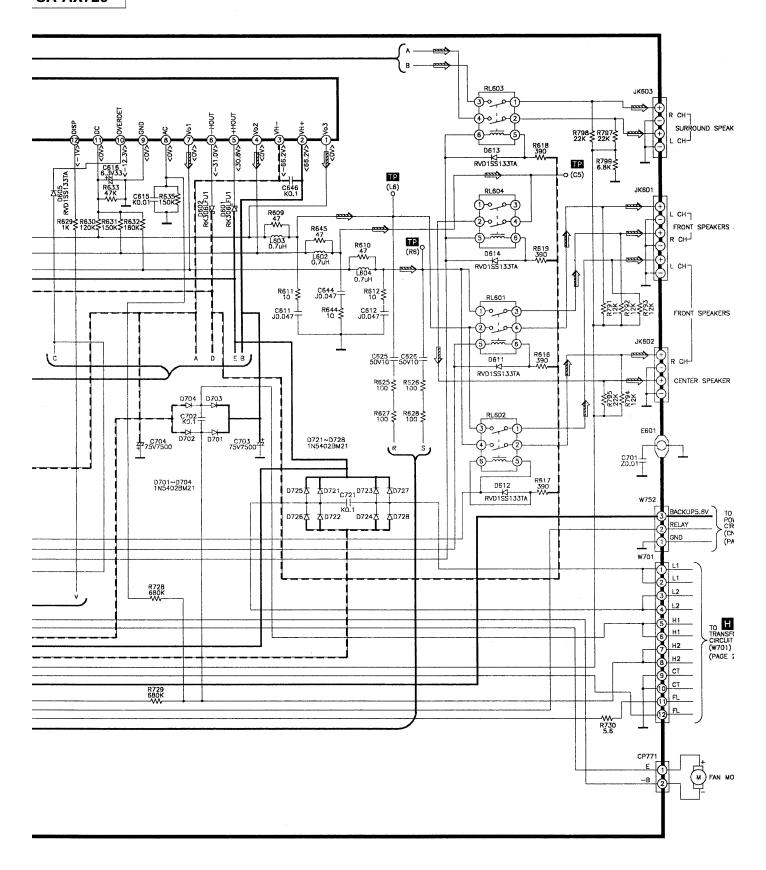
LA1832A LC7218 LV1016L	NJM2279D	TC9163ÁN TC9162AN	UPC4570C	AN6558F	BA6218	LA2786L (42Pin)
13 13 24 ************************************	14	28 - 200 - 14 14 14 14 14 14 14 14 14 14 14 14 14	8 2 4	8 5 4		No.1
RSN3305-P RSN310R36-P	M38B57M6100F (80 Pin)	TC9214P	AN6554F	BU2090	2SC2785FETA 2SC2786MTA	2SC2787FL1TA 2SC2787LTA
24/26	No. 1	16 core core 8	14 pressed 2 7 7 1	16 merene e e e e e e e e e e e e e e e e e	B _C E	2SD1915FTA 2SA933SSTA 2SC3311ARTA

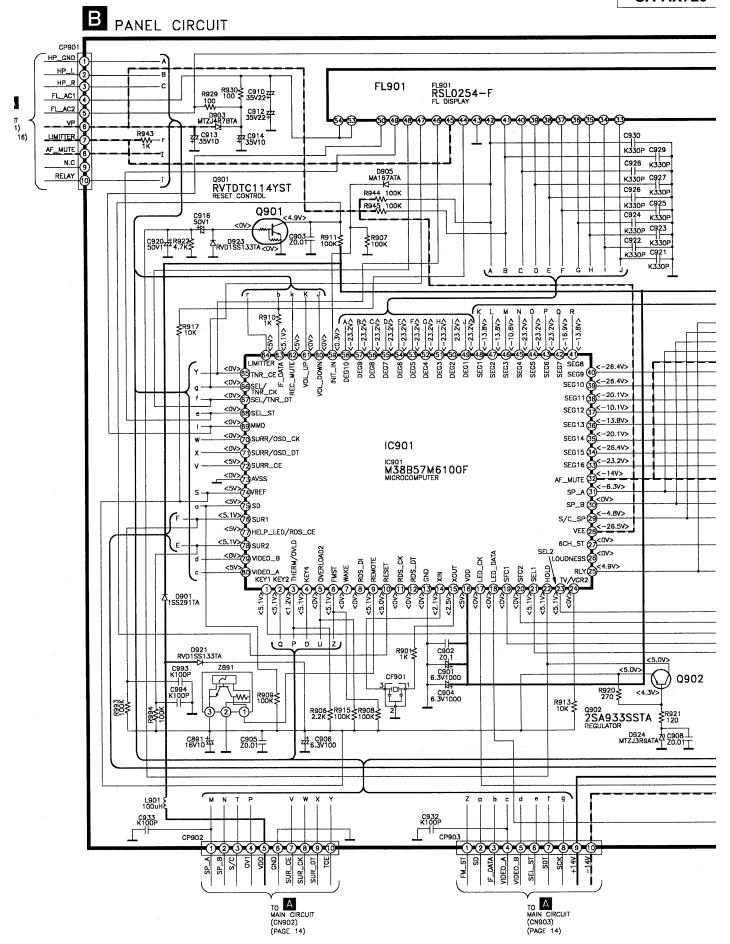


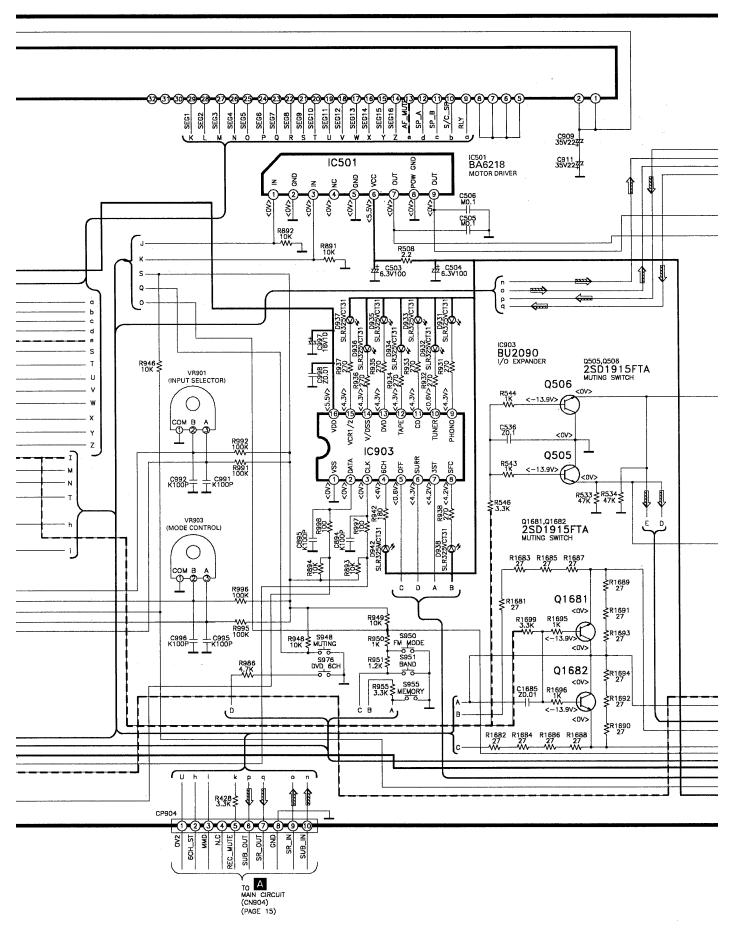


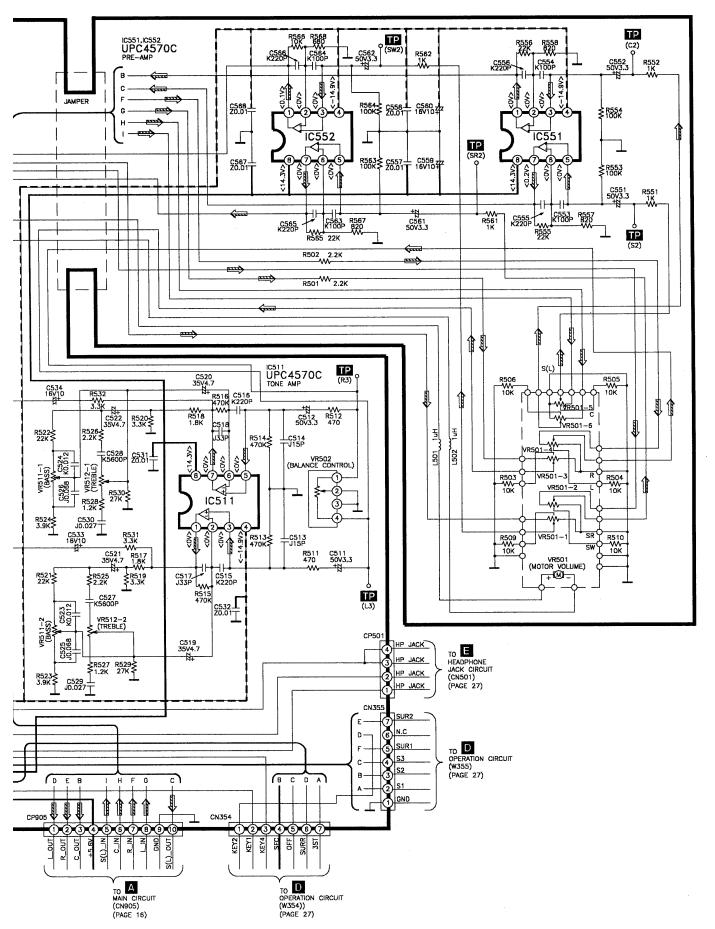


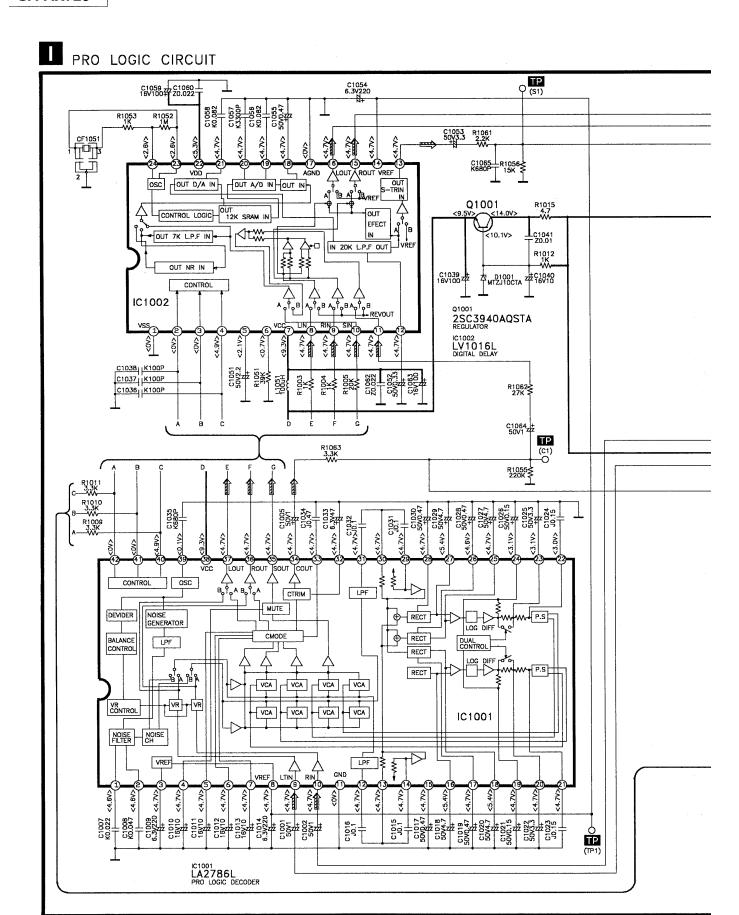


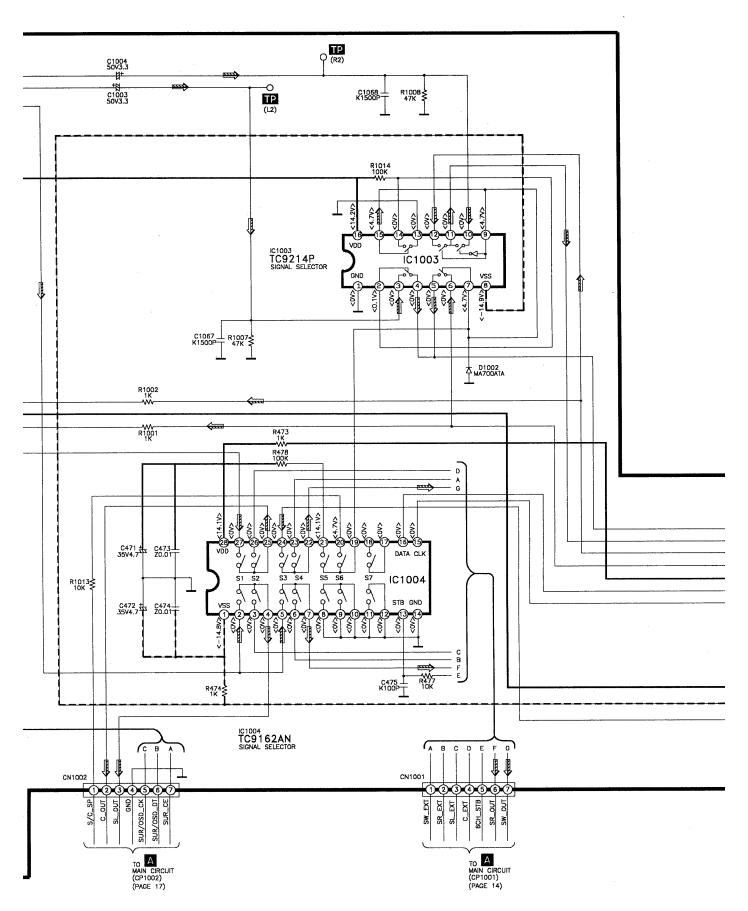


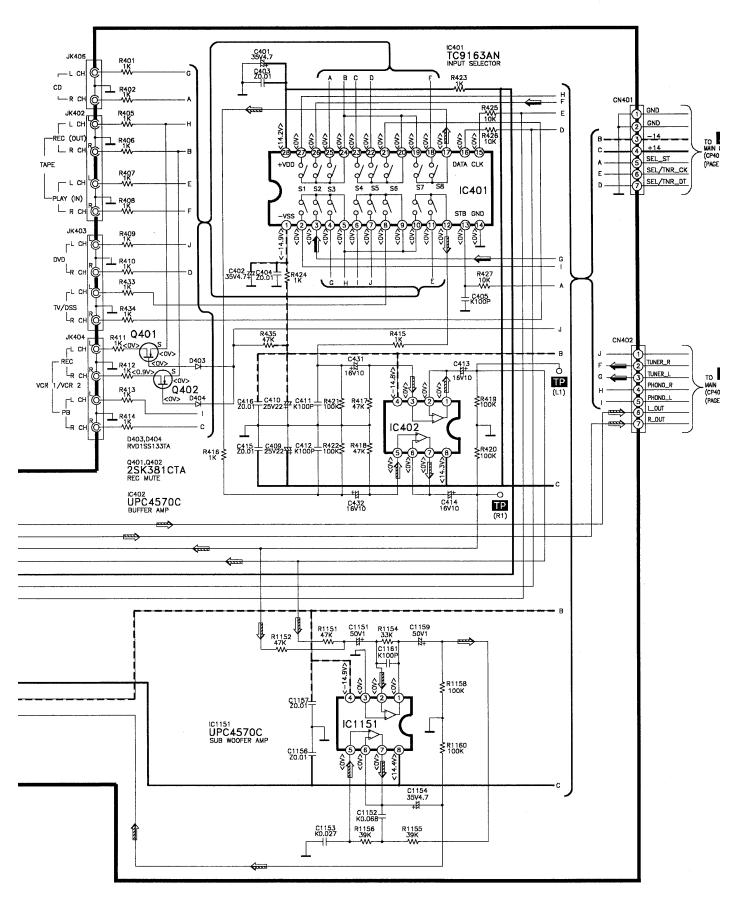


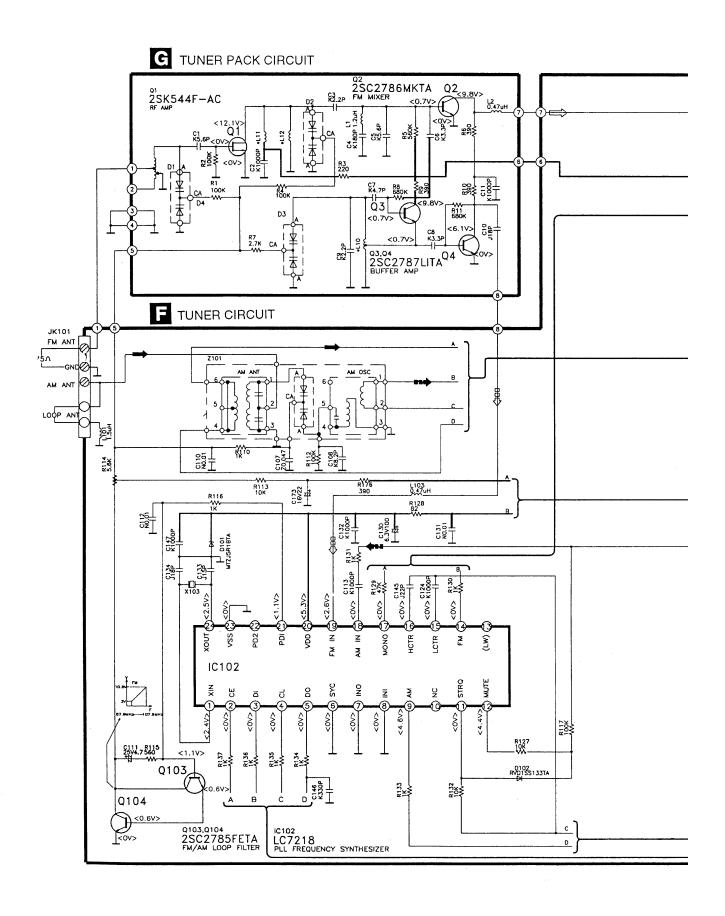


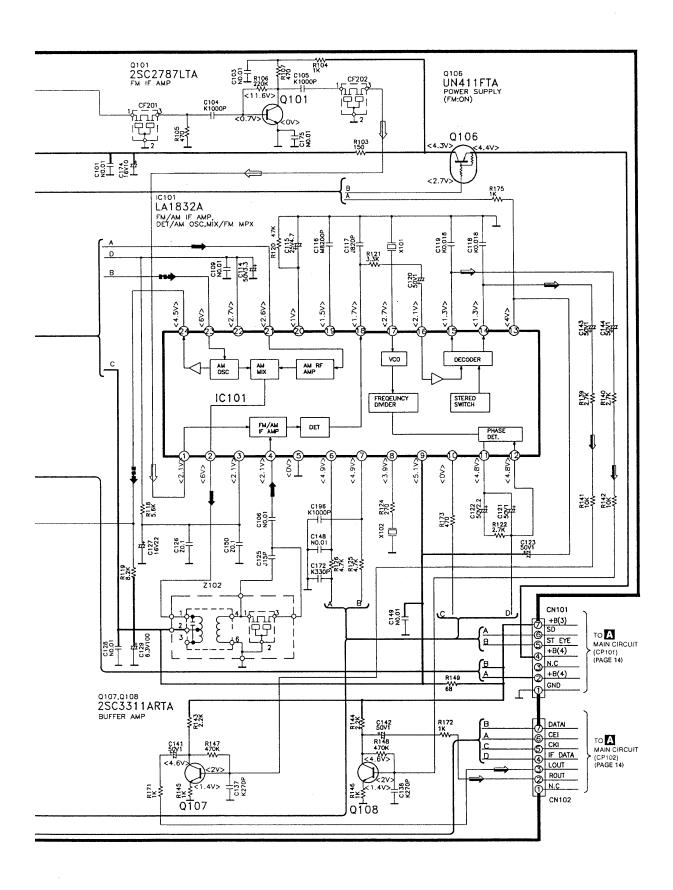


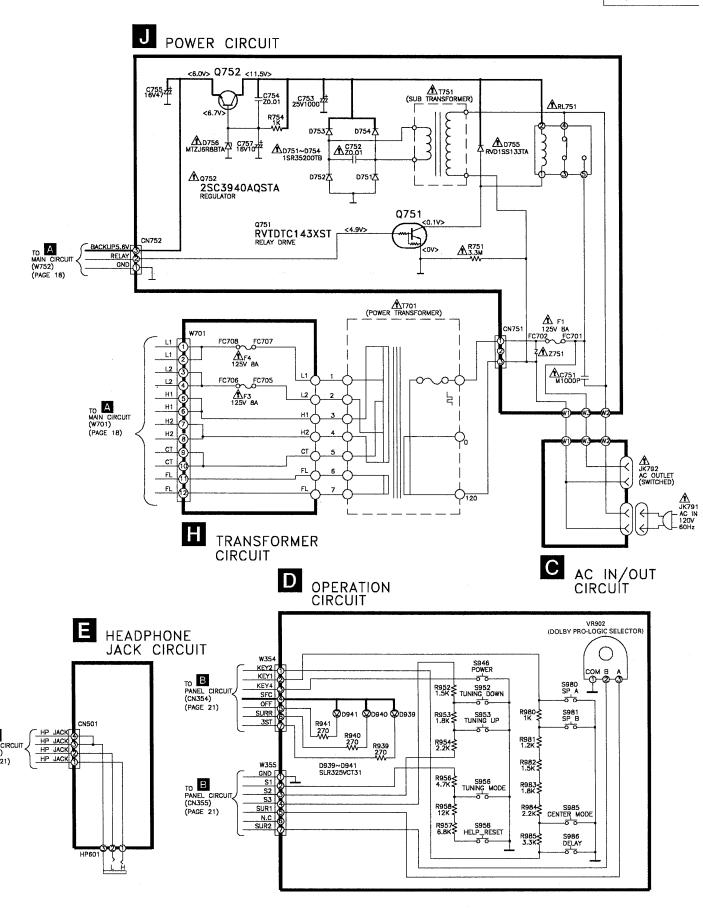


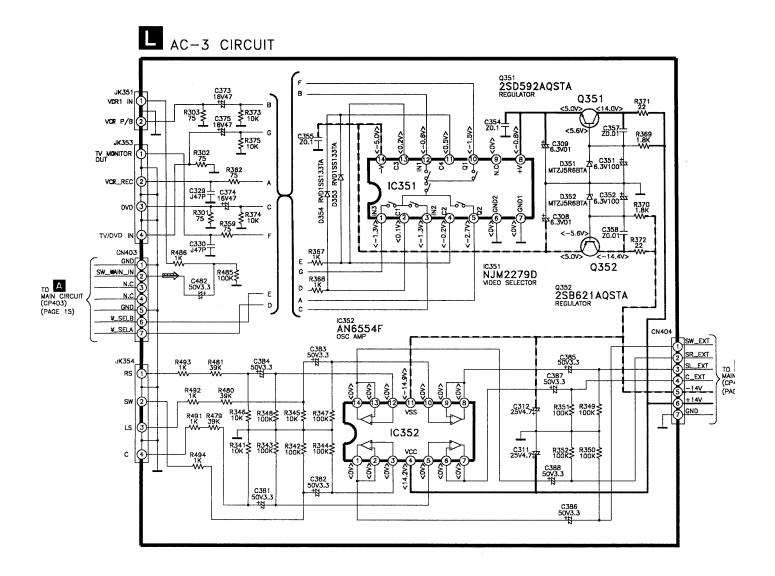




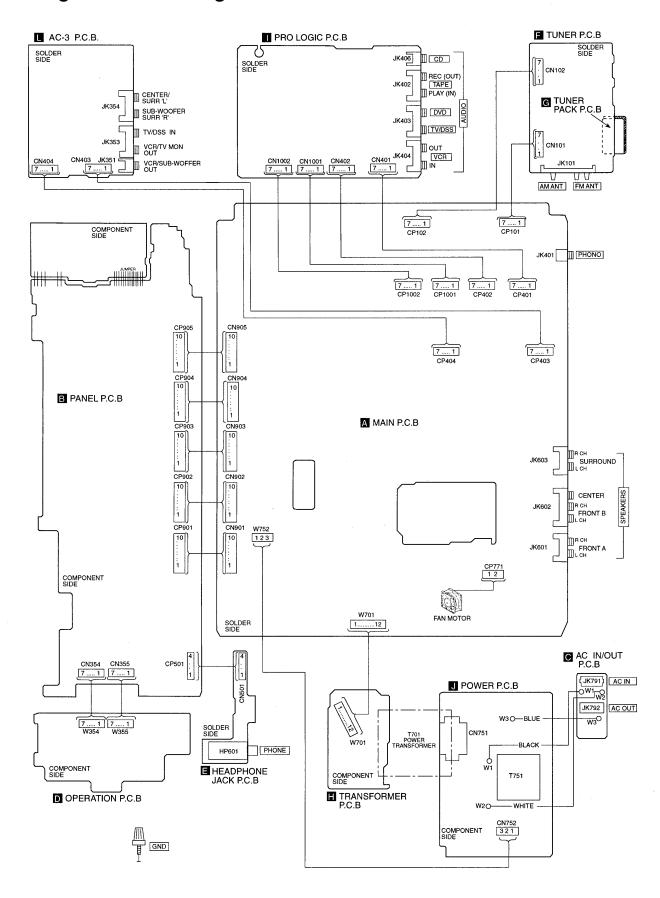








■ Wiring Connection Diagram



■ Cabinet Parts Location

