



SERVICE MANUAL

28/50MHz ALL MODE TRANSCEIVER

IC-575A
IC-575H

INTRODUCTION

This service manual describes the latest service information for the **IC-575A/H 28/50 MHz ALL MODE TRANSCEIVER** at the time of going to press.

Six versions of the **IC-575A/H** have been designed. This service manual covers the following versions.

MODEL	VERSION	OUTPUT POWER (FM)	VERSION NUMBER
IC-575A	U.S.A.	1~ 10 W	#04A
	Australia	1~ 10 W	#06A
	U.K.	1~ 10 W	#08A
IC-575H	U.S.A.	10~100 W	#02H
	Australia	10~100 W	#03H
	U.K.	5~ 50 W	#04H

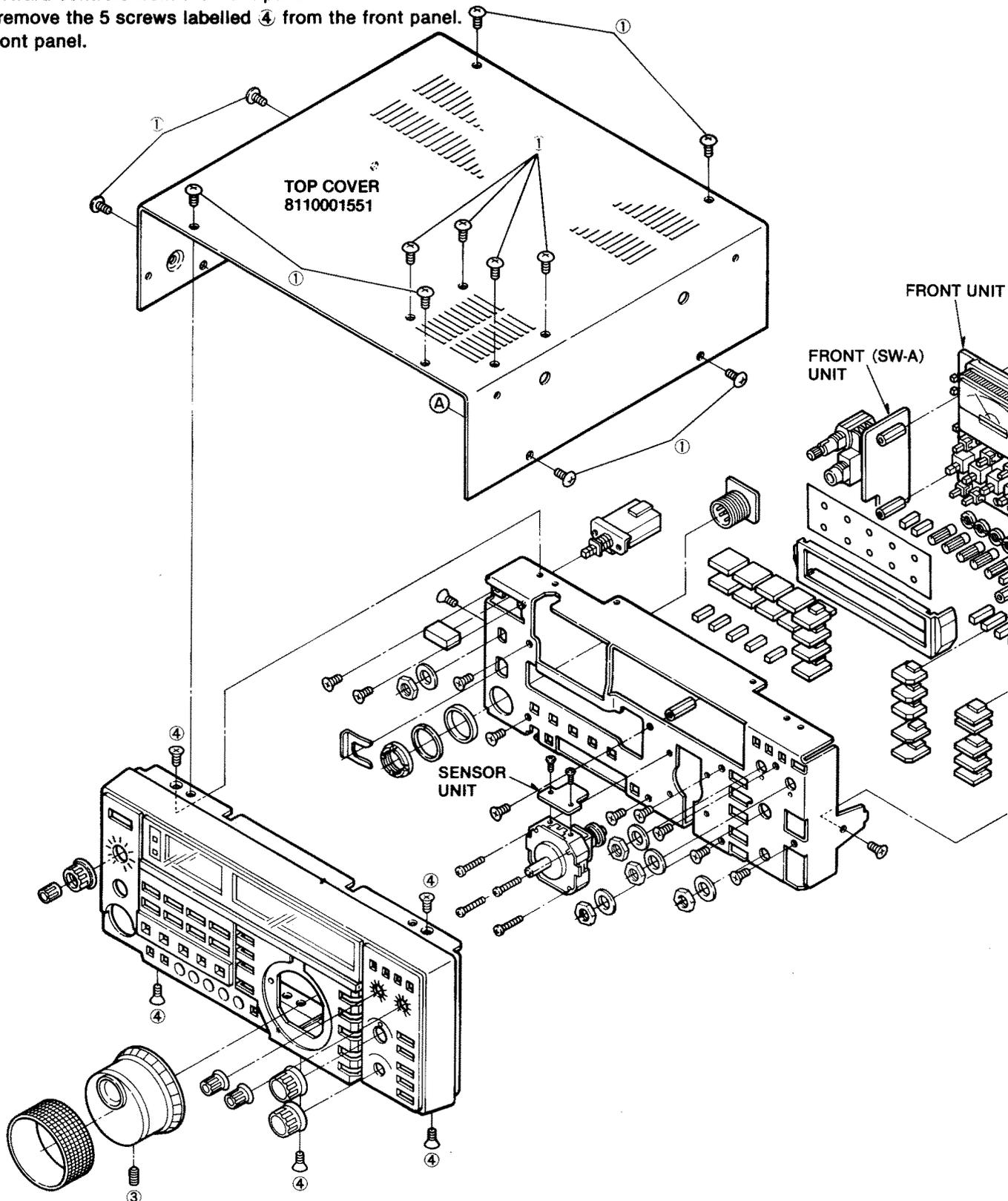
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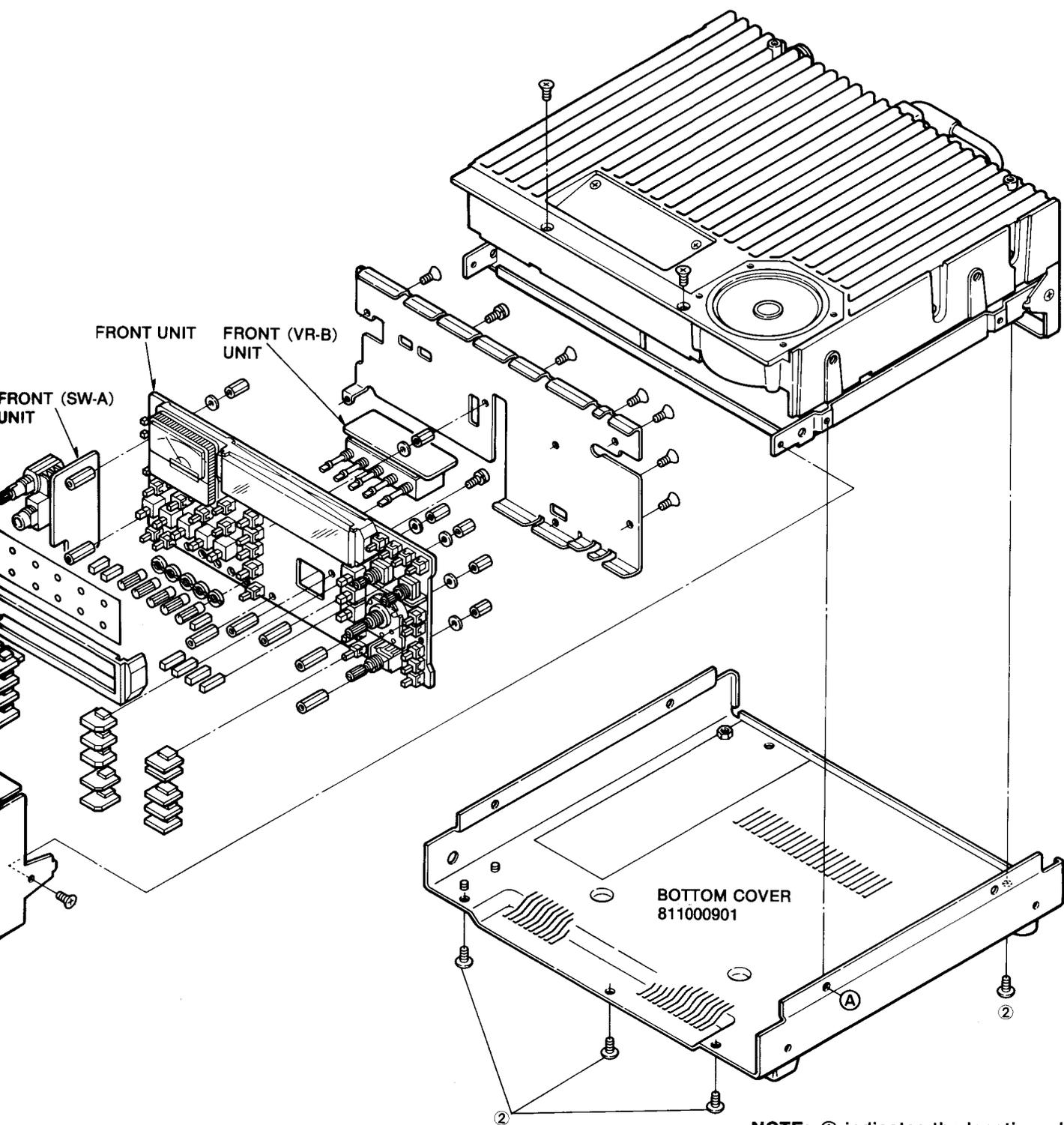
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SECTION 1 MECHANICAL PARTS AND DISASSEMBLY

1-1 FRAME DISASSEMBLY

1. Unscrew and remove the 12 screws labelled ① from the top cover.
Remove the top cover.
2. Unscrew and remove the 5 screws labelled ② from the bottom cover.
Remove the bottom cover.
3. Remove the hex socket screw labelled ③ from the tuning control.
Pull out the forward controls from the front panel.
4. Unscrew and remove the 5 screws labelled ④ from the front panel.
Remove the front panel.

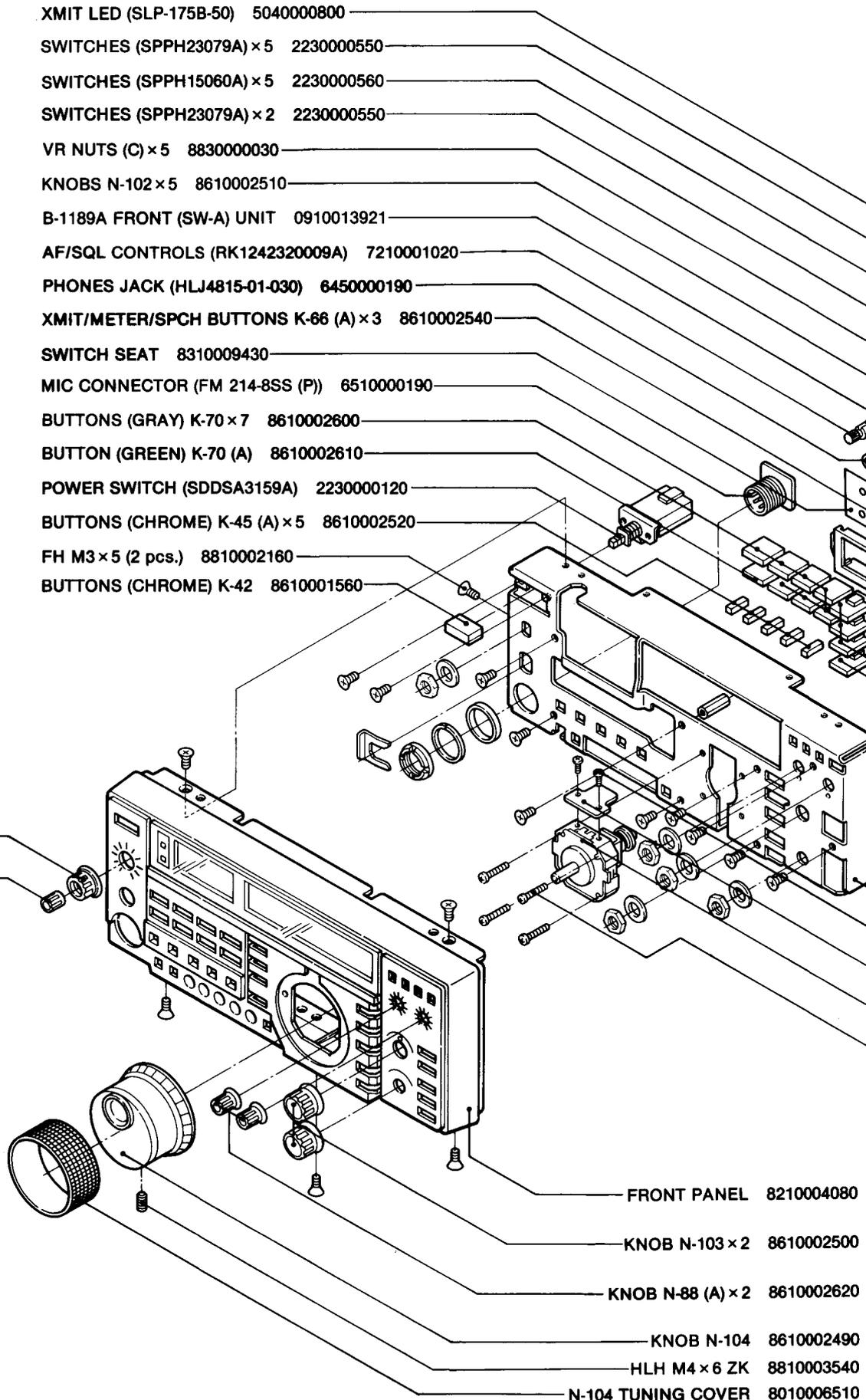




NOTE: Ⓐ indicates the location where the covers are attached.

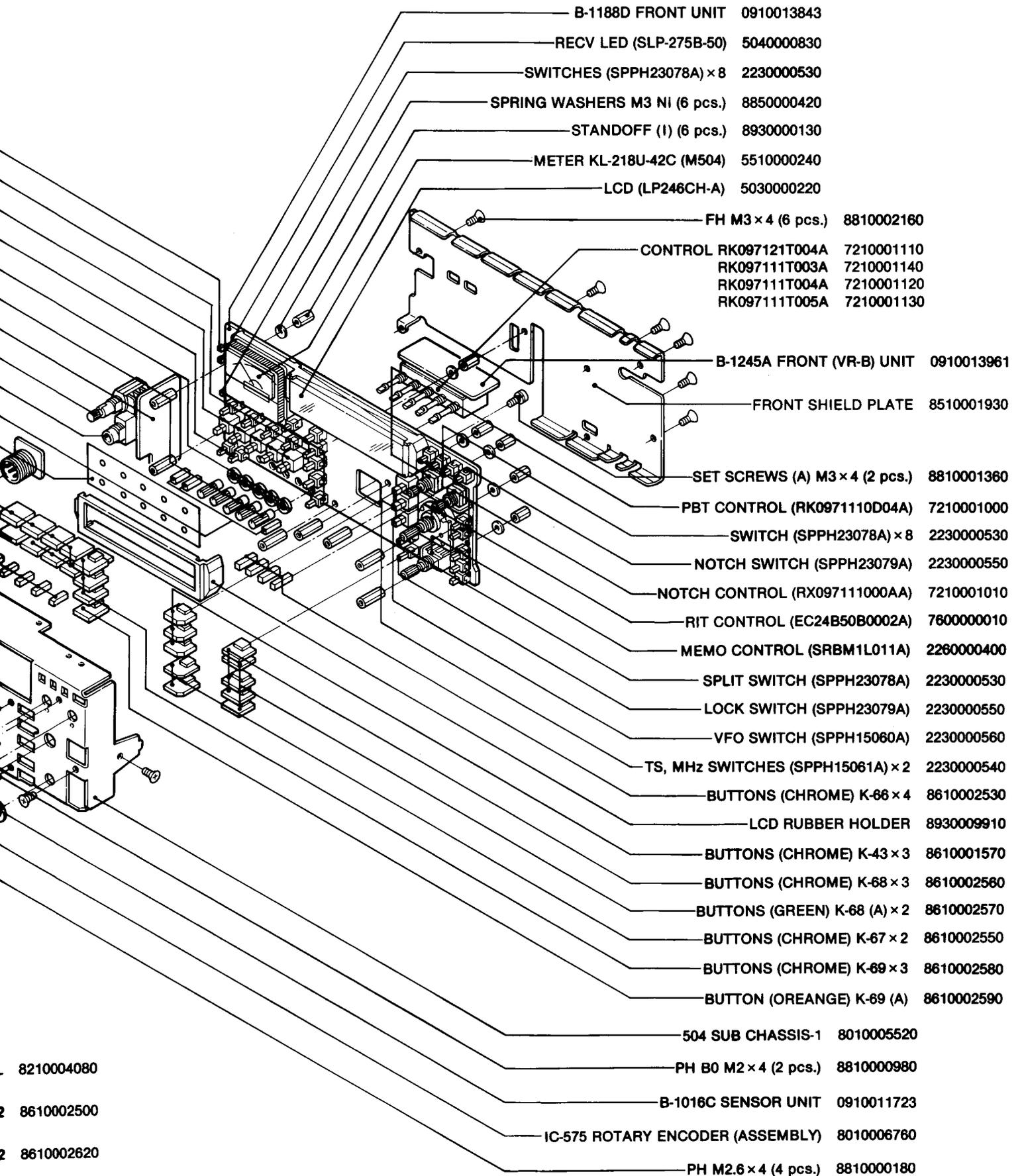
1-2 FRONT PANEL DISASSEMBLY

- XMIT LED (SLP-175B-50) 5040000800
- SWITCHES (SPPH23079A) × 5 2230000550
- SWITCHES (SPPH15060A) × 5 2230000560
- SWITCHES (SPPH23079A) × 2 2230000550
- VR NUTS (C) × 5 8830000030
- KNOBS N-102 × 5 8610002510
- B-1189A FRONT (SW-A) UNIT 0910013921
- AF/SQL CONTROLS (RK1242320009A) 7210001020
- PHONES JACK (HLJ4815-01-030) 6450000190
- XMIT/METER/SPCH BUTTONS K-66 (A) × 3 8610002540
- SWITCH SEAT 8310009430
- MIC CONNECTOR (FM 214-8SS (P)) 6510000190
- BUTTONS (GRAY) K-70 × 7 8610002600
- BUTTON (GREEN) K-70 (A) 8610002610
- POWER SWITCH (SDDSA3159A) 2230000120
- BUTTONS (CHROME) K-45 (A) × 5 8610002520
- FH M3 × 5 (2 pcs.) 8810002160
- BUTTONS (CHROME) K-42 8610001560



- SQL KNOB (CHROME) N-90 8610001550
- AF KNOB N-89 (A) 8610002630

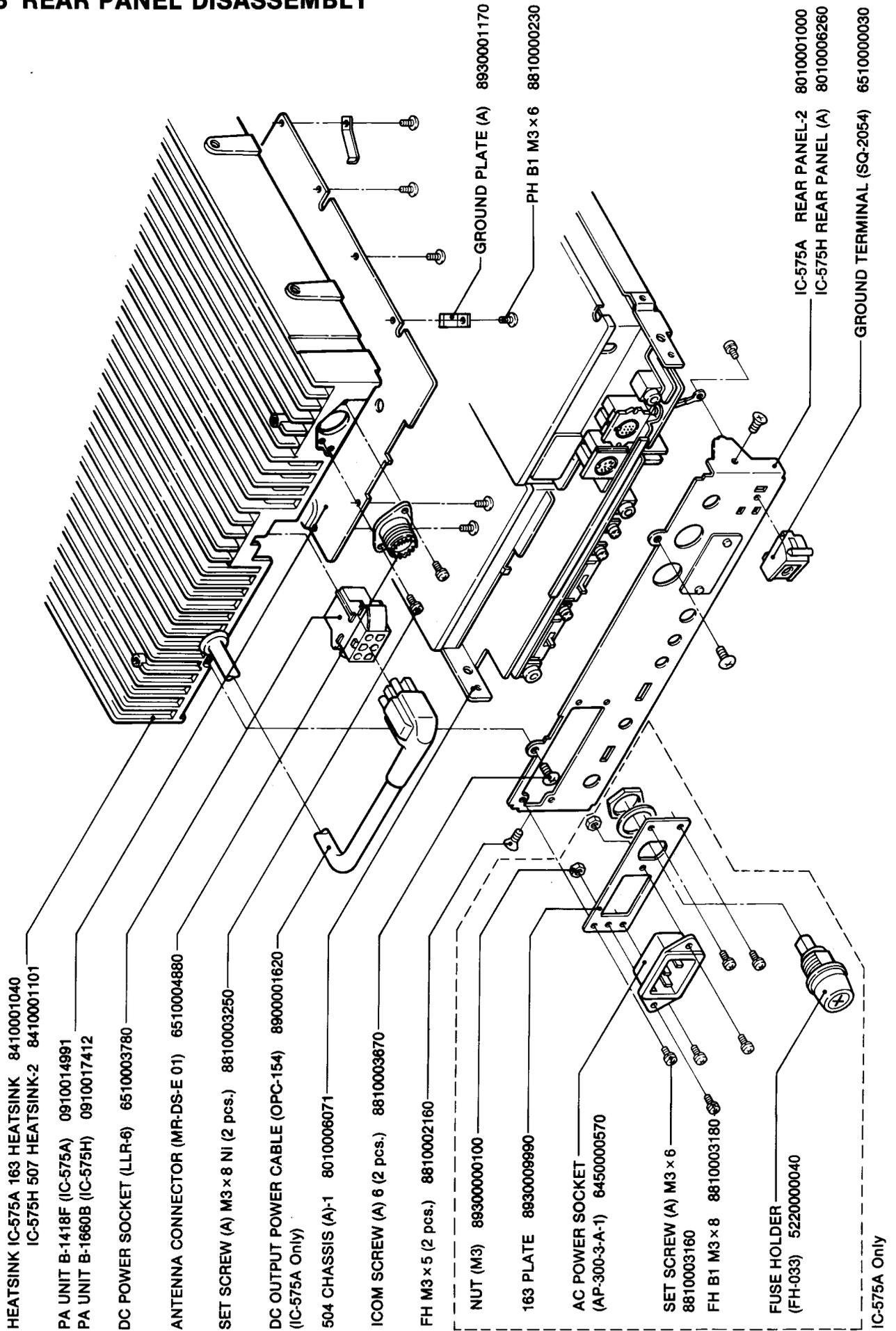
- FRONT PANEL 8210004080
- KNOB N-103 × 2 8610002500
- KNOB N-88 (A) × 2 8610002620
- KNOB N-104 8610002490
- HLH M4 × 6 ZK 8810003540
- N-104 TUNING COVER 8010006510



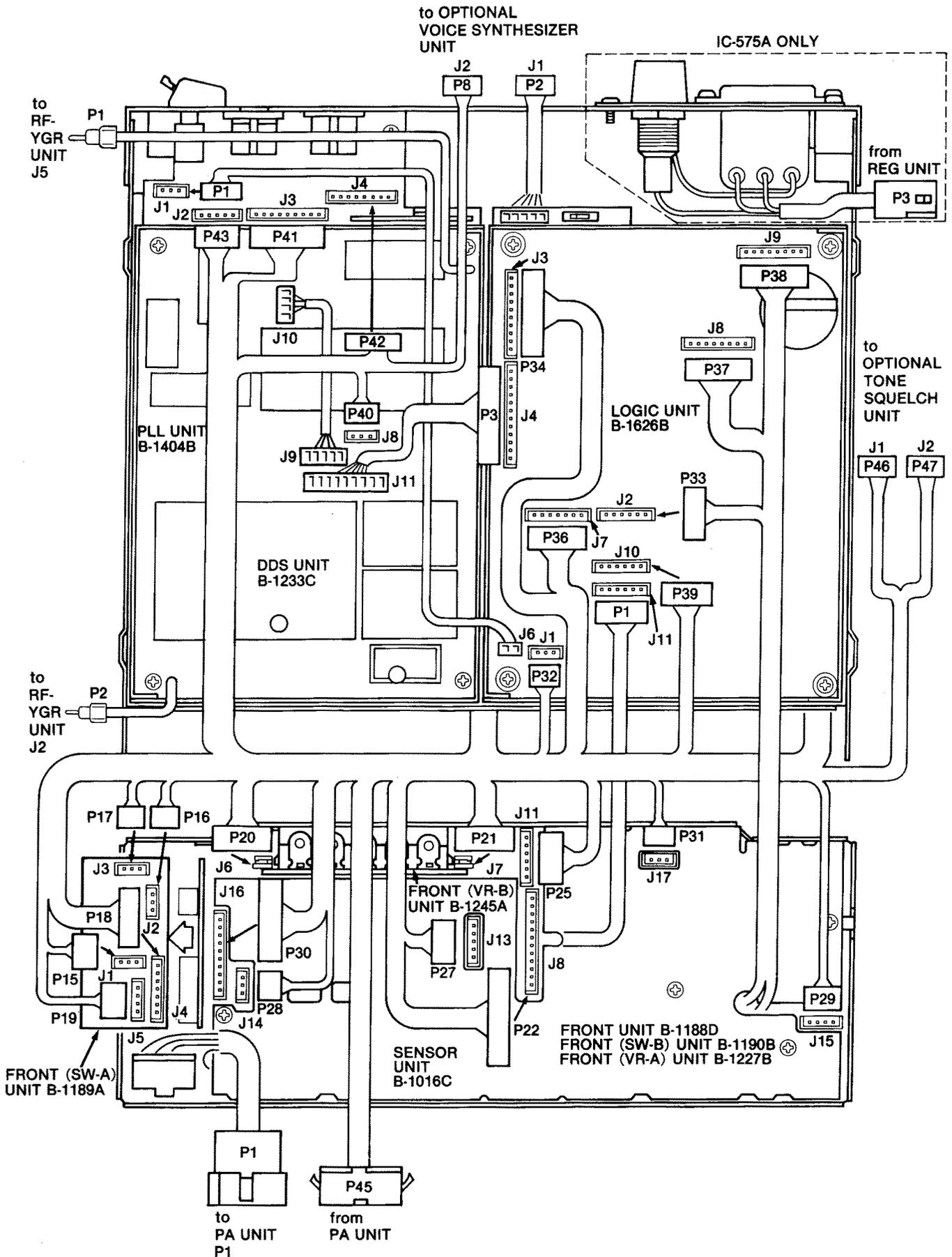
8210004080
 2 8610002500
 2 8610002620
 4 8610002490
 K 8810003540
 R 8010006510

* Screw type Screw: M2.6 × 4, etc. Self-tapping screw: B0 2 × 4, etc.
 Screw's head style PH: Pan head FH: Flat head HLH: Head less hex

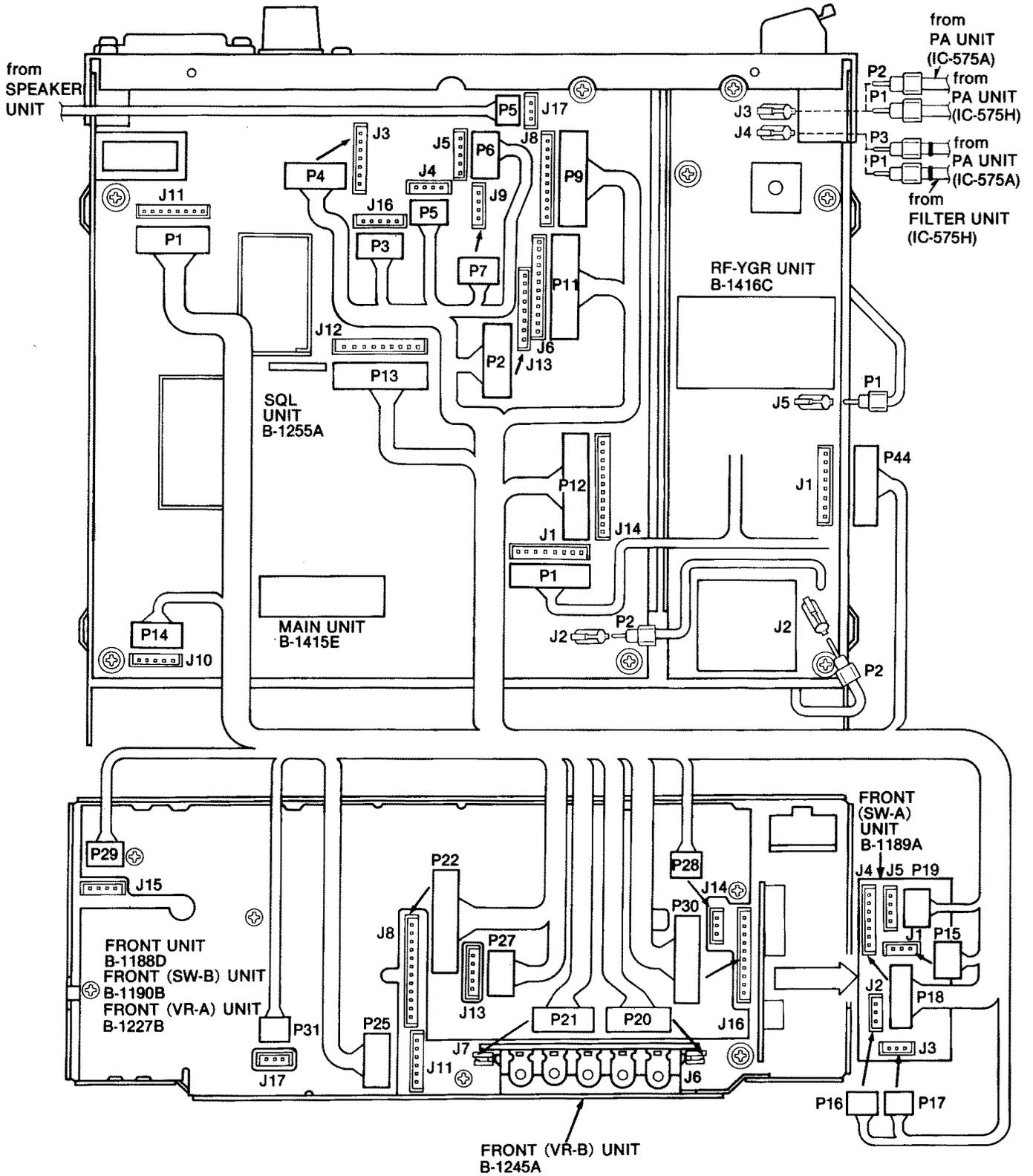
1-3 REAR PANEL DISASSEMBLY



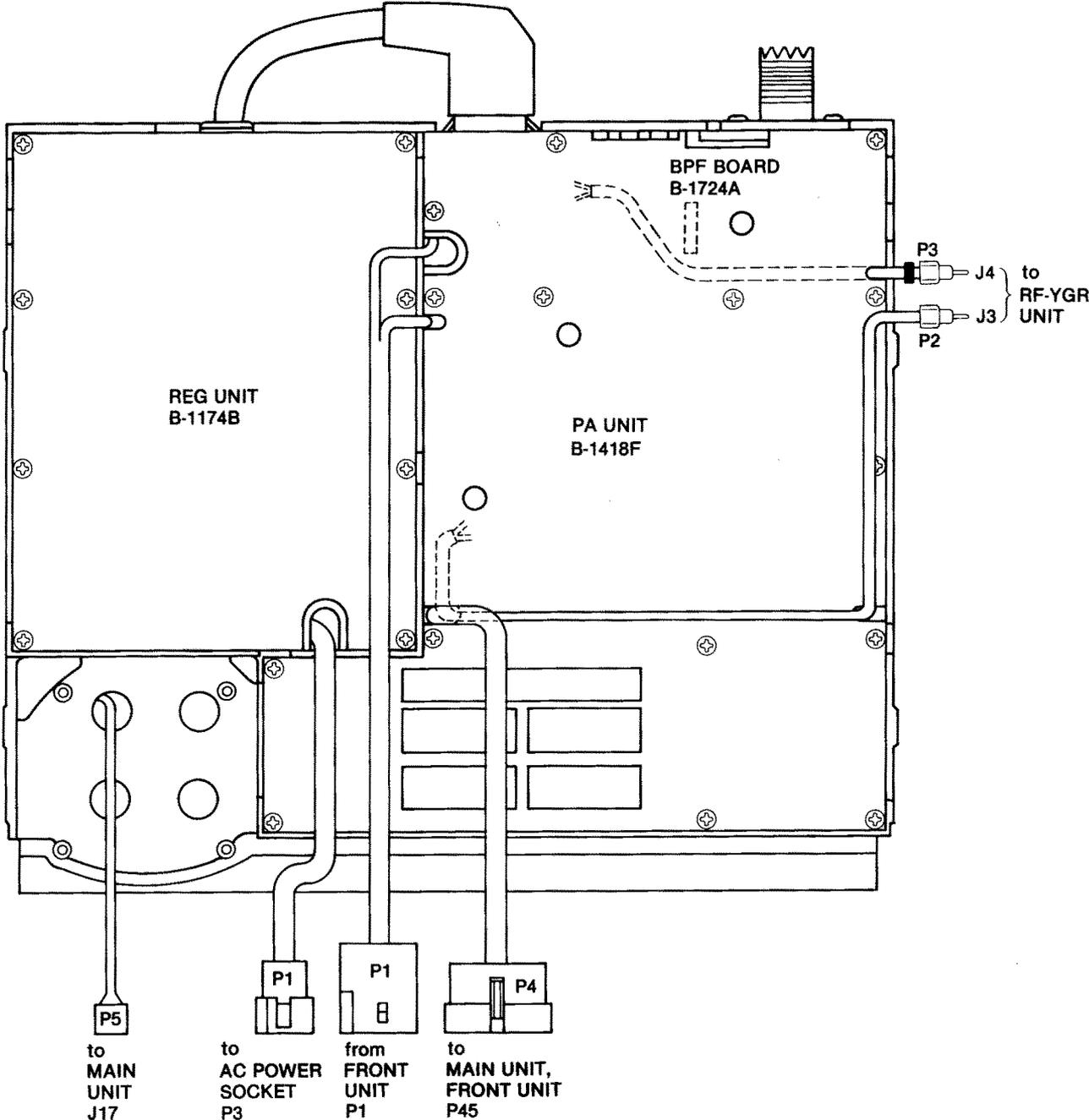
1-4 FRONT, LOGIC AND PLL UNITS CONNECTOR ASSEMBLY



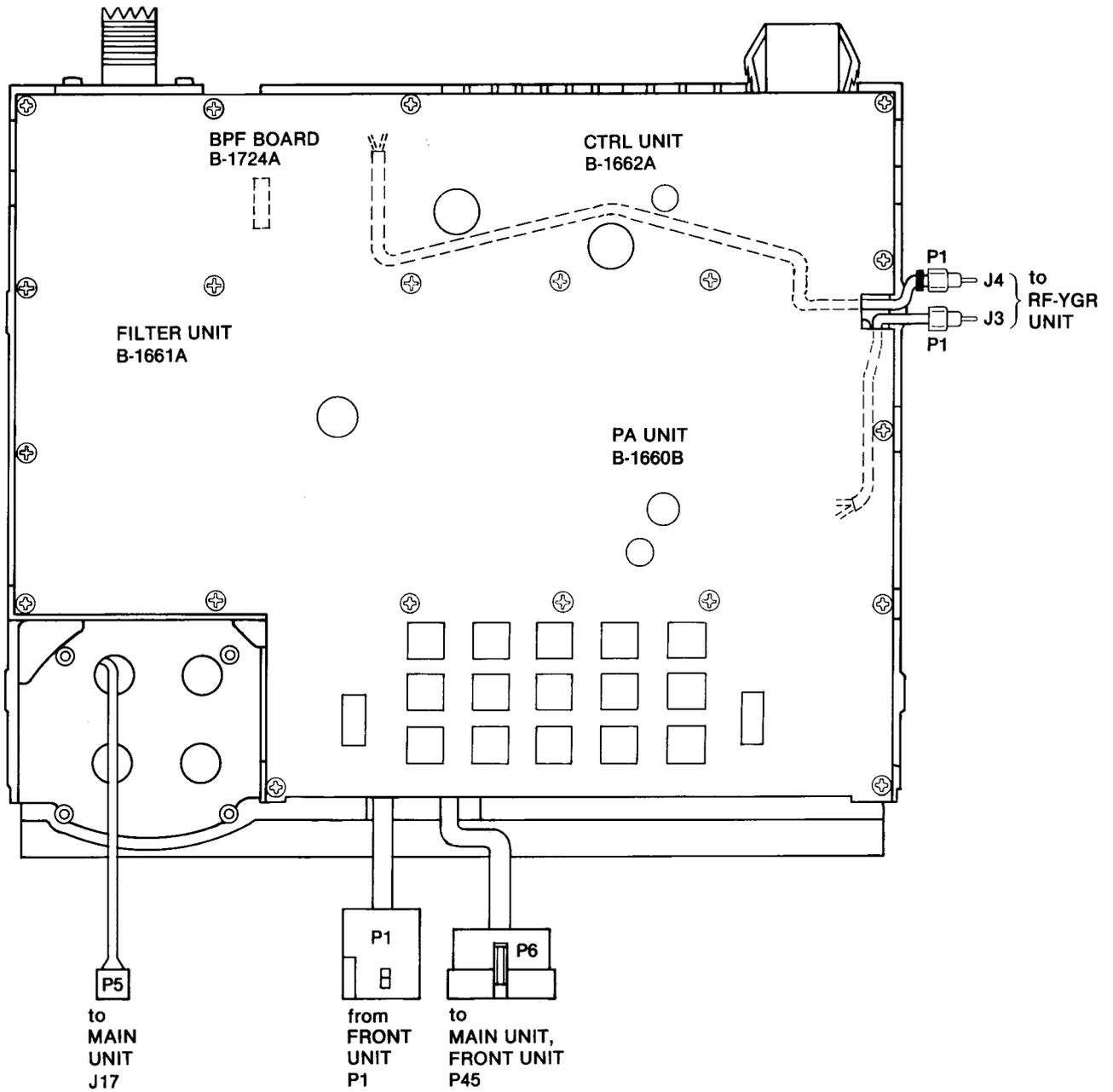
1-5 FRONT, MAIN AND RF-YGR UNITS CONNECTOR ASSEMBLY



1-6 PA AND REG UNITS CONNECTOR ASSEMBLY (IC-575A)



1-7 PA, CTRL AND FILTER UNITS CONNECTOR ASSEMBLY (IC-575H)



SECTION 2 MAINTENANCE AND ADJUSTMENT

2-1 PREPARATION BEFORE SERVICING

1. Make sure a problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from a power source.
3. **USE** an external AC power supply to a transceiver power source during testing.
4. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
5. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
6. **DO NOT** keep power ON for a long time when the transceiver is defective.
7. **DO NOT** transmit power into a signal generator or a sweep generator.
8. **ALWAYS** connect a 30 dB~40 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
9. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.
10. **DO NOT** turn ON the bias switch of antenna switching switches on the rear panel when a signal generator is connected to the antenna connector.
11. There are different versions of this transceiver. Adjustment procedures and results may differ for each version. Be sure to follow the correct procedure for the transceiver you adjust.

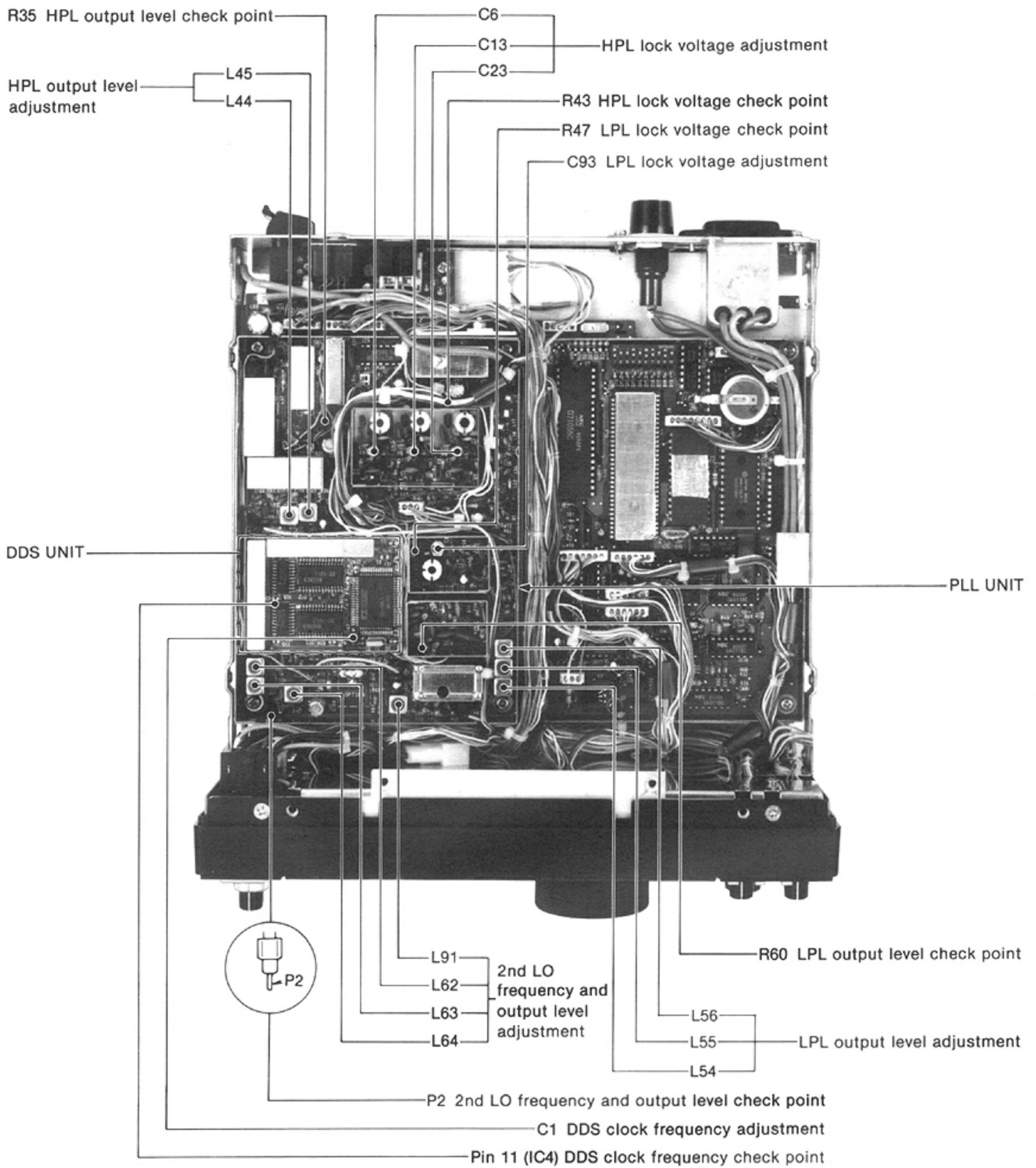
2-2 REQUIRED TEST EQUIPMENTS

EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
AC power supply	Output voltage : 13.8 V DC	DC voltmeter	Input impedance : 50 k Ω /DC or better
	Current capacity (IC-575A) : 10 A or more (IC-575H) : 25 A or more	AC milli-voltmeter	Measuring range : 10 mV~10 V
RF power meter (terminated type)	Measuring range (IC-575A) : 1~20 W (IC-575H) : 10~150 W Frequency range : 25~60 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1	External speaker	Impedance : 8 Ω
		Ohm meter	Measuring range : 0.1~100 k Ω
		Ammeter	Measurement capability (IC-575A) : 500 mA (IC-575H) : 1 A
		Audio generator	Frequency range : 50~2000 Hz Output level : 0~500 mV
Frequency counter	Frequency range : 0.1~100 MHz Frequency accuracy : ± 1 ppm or better Sensitivity : 100 mV or better	FM deviation meter	Frequency minimum : 60 MHz Measuring range : 0~ ± 5 kHz
RF voltmeter	Frequency range : 0.1~100 MHz Measuring range : 0.01~10 V	Attenuator	Power attenuation : 30 or 40 dB Capacity (IC-575A) : 20 W or more (IC-575H) : 150 W or more
Oscilloscope	Frequency range : DC~20 MHz Measuring range : 0.01~10 V	Spectrum analyzer	Frequency minimum : At least 60 MHz Spectrum bandwidth: ± 100 kHz or more
Standard signal generator (SSG)	Frequency range : 0.1~100 MHz Output level : -127~-17 dBm (0.1 μ V~32 mV)		

2-3 PLL ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
DDS CLOCK FREQUENCY	1 <ul style="list-style-type: none"> • Operating frequency: 52.0000 MHz • Receiving 	DDS	Connect the frequency counter to IC4, pin 11.	5.24288 MHz	DDS	C1
2ND LO FREQUENCY AND OUTPUT LEVEL	1 <ul style="list-style-type: none"> • Operating frequency: 52.0000 MHz • Receiving 	PLL	Connect the frequency counter to P2.	61.4400 MHz	PLL	L91
	2		Terminate P2 to ground with a 50 Ω resistor. Connect the RF voltmeter to P2.	Adjust for maximum output. (-12~-7 dBm)		L62, L63, L64
NOTE: After completing above adjustment, return P2 to its original condition.						
LPL OUTPUT LEVEL	1 <ul style="list-style-type: none"> • Operating frequency: 26.4150 MHz • FM mode • Receiving 	PLL	Connect the oscilloscope to R60.	Adjust for maximum output. (3.5 Vp-p or more)	PLL	L54, L55, L56
NOTE: Repeat above adjustment several times.						
LPL LOCK VOLTAGE	1 <ul style="list-style-type: none"> • Operating frequency: 26.4150 MHz • FM mode 	PLL	Connect the oscilloscope to R47.	2.5 V DC	PLL	C93
	2 <ul style="list-style-type: none"> • Operating frequency: 26.9260 MHz 			Approx. 4 V DC		Verify
HPL OUTPUT LEVEL	1 <ul style="list-style-type: none"> • Operating frequency: 26.0000 MHz • FM mode • Receiving 	PLL	Connect the oscilloscope to R35. (Q9 collector side)	Adjust for maximum output. (3 Vp-p or more)	PLL	L44, L45
NOTE: Repeat above adjustment several times.						
HPL LOCK VOLTAGE	1 <ul style="list-style-type: none"> • Operating frequency: 32.9999 MHz • FM mode 	PLL	Connect the oscilloscope to R43.	6.0 V DC	PLL	C6
	2 <ul style="list-style-type: none"> • Operating frequency: 46.9999 MHz 			6.0 V DC		C13
	3 <ul style="list-style-type: none"> • Operating frequency: 56.0000 MHz 			6.0 V DC		C23
	4 <ul style="list-style-type: none"> • Operating frequency: 26.0000 MHz, 33.0000 MHz, 47.0000 MHz 			Approx. 3 V DC on each frequency		Verify

PLL AND DDS UNITS

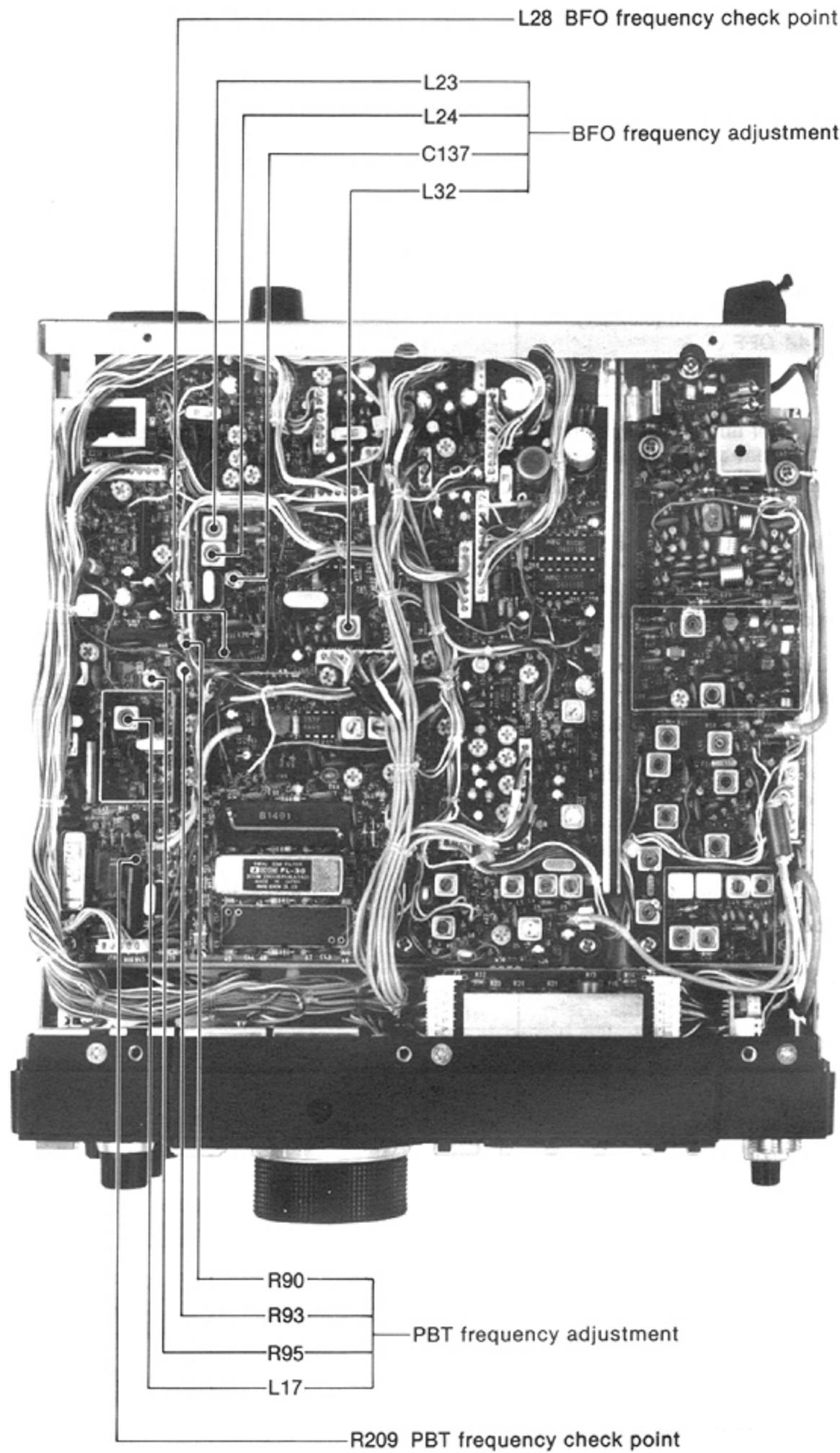


2-4 FREQUENCY ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT			
		UNIT	LOCATION		UNIT	ADJUST		
BFO FREQUENCY	1	<ul style="list-style-type: none"> • Operating frequency: 52.0000 MHz • USB mode • Receiving 	MAIN	Connect the frequency counter to L28.	9.01300 MHz	MAIN	C137	
	2	<ul style="list-style-type: none"> • CW mode • Transmitting • Connect a key to the [KEY] jack and key down. 					9.01060 MHz	L24
	3	<ul style="list-style-type: none"> • LSB mode • Receiving 					9.01000 MHz	L23
	4	<ul style="list-style-type: none"> • AM mode • Transmitting 					9.01000 MHz	Verify
	5	<ul style="list-style-type: none"> • CW mode • Receiving 					9.00980 MHz (± 150 Hz)	Verify
	6	<ul style="list-style-type: none"> • FM mode • Apply no signal to the mic connector. • Transmitting 					9.01150 MHz	L32
PBT FREQUENCY	1	<ul style="list-style-type: none"> • AM mode • [PBT] control: Max. CCW* • Receiving 	MAIN	Connect the frequency counter to R209.	9.46830 MHz	MAIN	L17	
	2	<ul style="list-style-type: none"> • [PBT] control: Center 					9.46500 MHz	R90
	3	<ul style="list-style-type: none"> • USB mode • [PBT] control: Center 					9.46650 MHz	R93
	4	<ul style="list-style-type: none"> • FM mode • [PBT] control: Any 					9.46650 MHz	R95

* CCW: Counterclockwise

MAIN UNIT



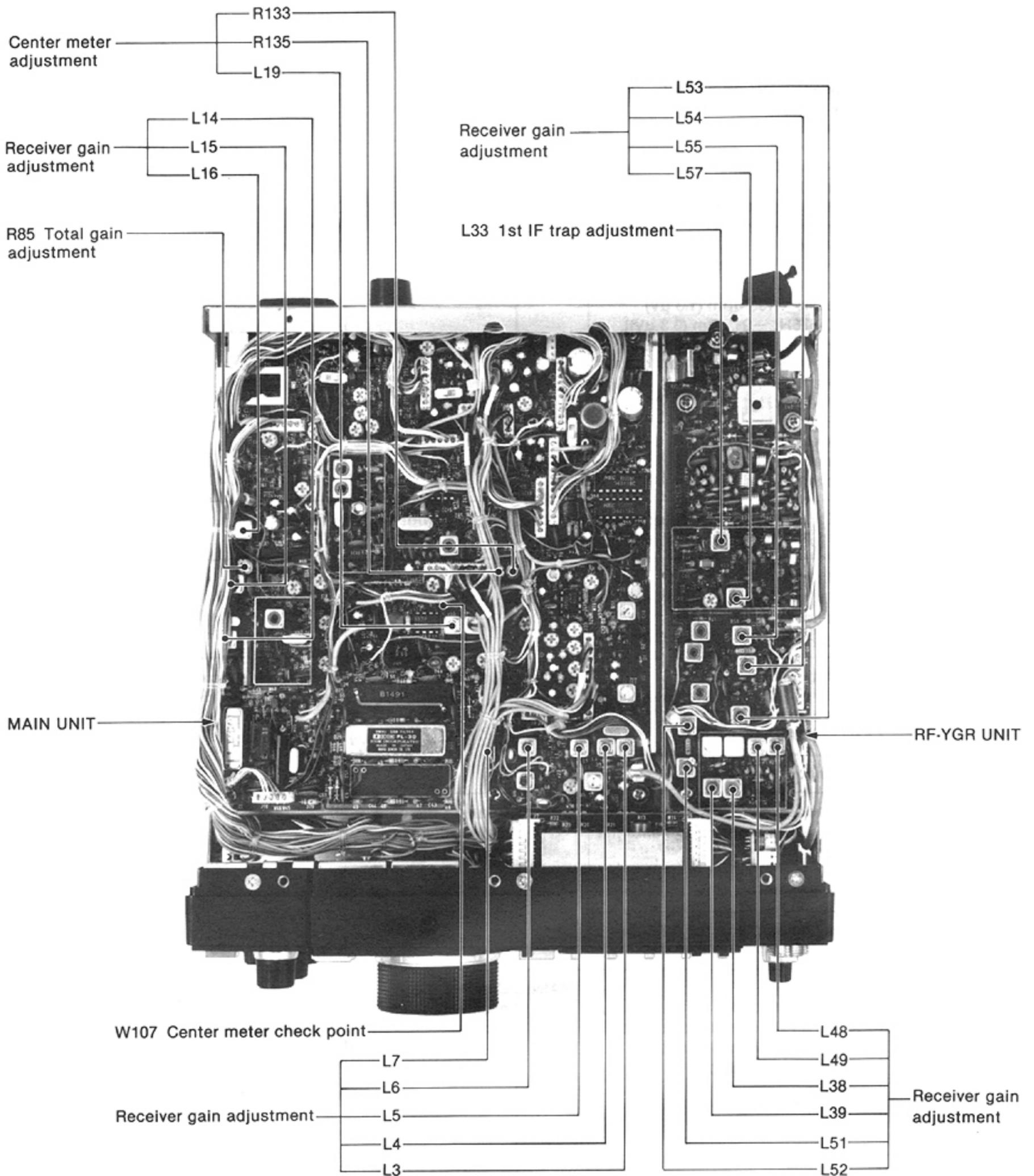
2-5 RECEIVER ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT		
		UNIT	LOCATION		UNIT	ADJUST	
RECEIVER GAIN	<ul style="list-style-type: none"> Operating frequency: 52.0000 MHz USB mode [RF GAIN] control: Max. CW* [PREAMP] switch: OFF [NOTCH] switch: OFF [PBT] control: Center [AF TONE] control: Center [SQL] control: Max. CCW* Apply an RF signal to the antenna connector. Level: -117 dBm (0.32 μV) Mod.: OFF Receiving 	Rear panel	Connect the AC milli-voltmeter with an 8 Ω load to the [EXT SP] jack.	Max. audio output	RF-YGR	L57, L55, L54, L53, L52, L51, L38, L39, L49, L48	
					MAIN	L3, L4, L5, L6, L7, L14, L15, L16	
NOTE: After above adjustment, adjust the SSG output level to -123 dBm (0.16 μV) and repeat above adjustment several times.							
1ST IF TRAP	<ul style="list-style-type: none"> USB mode Apply an RF signal to the antenna connector. Freq.: 70.4515 MHz Mod.: OFF 	Front panel	S-meter	S9+10 dB (IC-575H: S9)	Applied RF signal level		
				Minimum (S-scale)	RF-YGR	L33	
TOTAL GAIN	<ul style="list-style-type: none"> USB mode Apply an RF signal to the antenna connector. Level: -127 dBm (0.1 μV) Mod.: OFF 	Rear panel	Connect the AC milli-voltmeter with an 8 Ω load to the [EXT SP] jack.	Max. audio output	Front panel	Tuning control	
				20 dB S/N ratio	MAIN	R85	
	<ul style="list-style-type: none"> Apply no signal to the antenna connector. 						
CENTER METER	<ul style="list-style-type: none"> FM mode Apply an RF signal to the antenna connector. Level: -77 dBm (32 μV) Mod.: OFF 	MAIN	Connect the DC voltmeter to W107.	3 V (IC-575H: 2.8 V)	MAIN	L19	
				2		<ul style="list-style-type: none"> Apply an RF signal to the antenna connector. Level: -97 dBm (3.2 μV) Dev.: ±3.5 kHz Mod.: 1 kHz Meter switch: C • ALC Adjust the applied signal frequency (approx. +4 kHz from the center freq.) to max. indication on the right side of the meter. 	Front panel
	3	<ul style="list-style-type: none"> Apply no signal to the antenna connector. 			Center		R133
	NOTE: Repeat above adjustment 1 through 3 several times. Verify that the meter movement becomes 20 %~80 % when the applied frequency changes.						

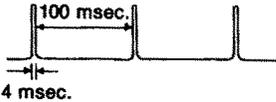


*CW: Clockwise *CCW: Counterclockwise

MAIN AND RF-YGR UNITS

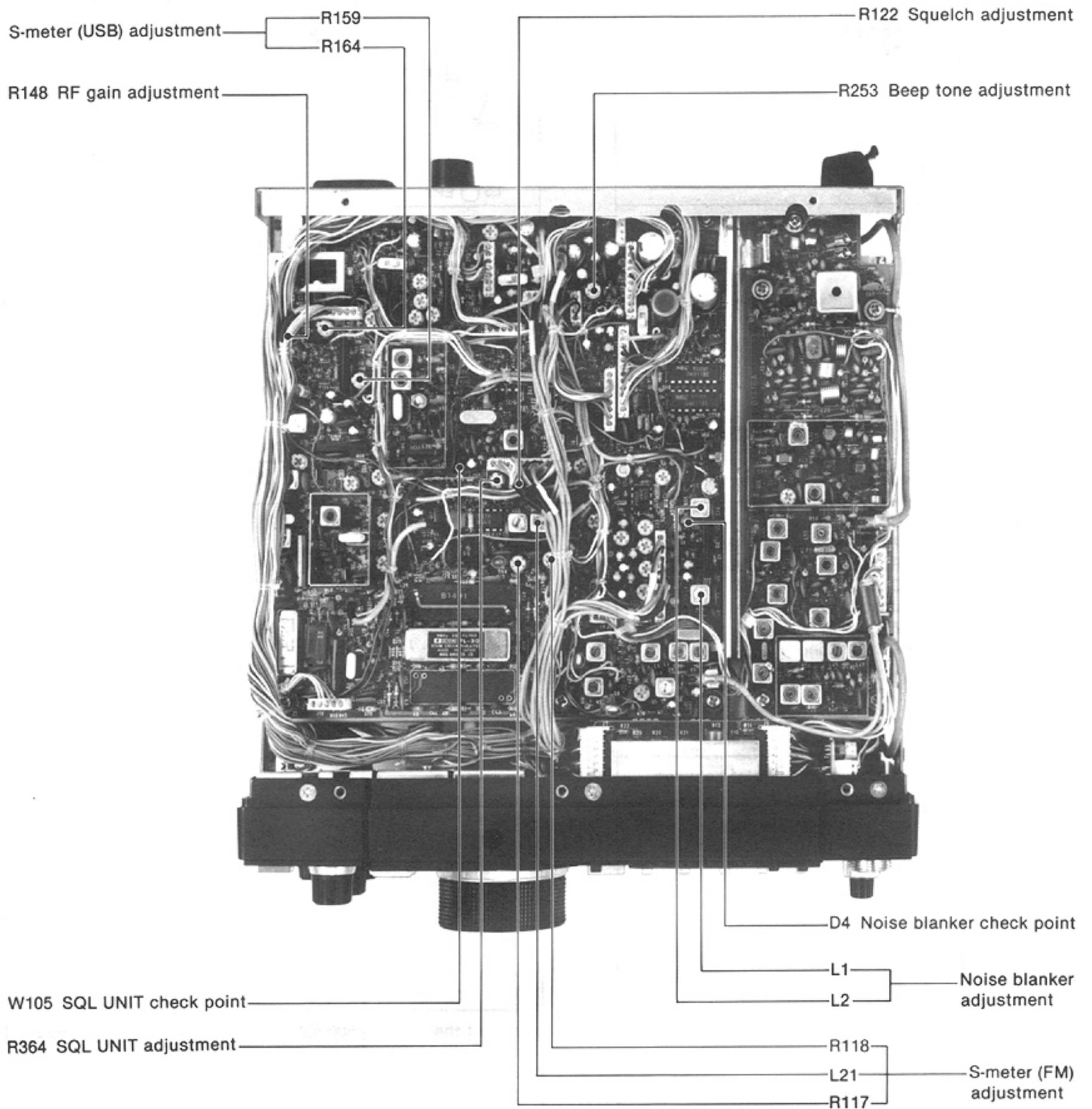


RECEIVER ADJUSTMENT (CONTINUED)

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION		UNIT	ADJUST
S-METER	1	<ul style="list-style-type: none"> • USB mode • Apply an RF signal to the antenna connector. Level: -107 dBm ($1 \mu\text{V}$) Mod.: OFF • Meter switch: S • RF 	Front panel	Meter	S1 (S-scale)	MAIN	R159
	2	<ul style="list-style-type: none"> • Apply an RF signal to the antenna connector. Level: -37 dBm (3.2 mV) 			S9 + 50 dB (S-scale)		R164
	3	<ul style="list-style-type: none"> • FM mode • Apply an RF signal to the antenna connector. Level: -105 dBm ($1.3 \mu\text{V}$) [IC-575H: -91 dBm ($6.3 \mu\text{V}$)] 			Maximum (S-scale)		L21
	4	<ul style="list-style-type: none"> • Apply an RF signal to the antenna connector. Level: -91 dBm ($6.3 \mu\text{V}$) 			S9 (S-scale)		R117
	5	<ul style="list-style-type: none"> • Apply an RF signal to the antenna connector. Level: -67 dBm (0.1 mV) 			Full scale		R118
	NOTE: Verify that the meter balance on band edges is within ± 3 dB in both USB and FM modes.						
RF GAIN	1	<ul style="list-style-type: none"> • USB mode • Apply no signal to the antenna connector. • [RF GAIN] control: Max. CCW* 	Front panel	Meter	Full scale	MAIN	R148
SQUELCH	1	<ul style="list-style-type: none"> • USB mode • Apply no signal to the antenna connector. • R122 (MAIN): Max. CCW* 	Top panel	Speaker	Squelch threshold point	Front panel	[SQL] control
	2	<ul style="list-style-type: none"> • FM mode 				MAIN	R122
SQL UNIT	1	<ul style="list-style-type: none"> • FM mode • Apply an RF signal to the antenna connector. Level: -125 dBm ($0.13 \mu\text{V}$) Mod.: OFF 	MAIN	Connect the ohm meter between W105 and ground.	0 Ω	MAIN	R364
	2	<ul style="list-style-type: none"> • Apply no signal to the antenna connector. 			∞		Verify
NOISE BLANKER	1	<ul style="list-style-type: none"> • USB mode • [NB] switch: OFF • Apply an RF signal including the following pulse noise to the antenna connector. 	MAIN	Connect the oscilloscope to D4 cathode.	Adjust for maximum waveform on the oscilloscope.	MAIN	L1, L2
BEEP TONE	1	<ul style="list-style-type: none"> • Push any switch which activates the beep sound. 	Top cover	Speaker	Verify that the level of the beep sound is adjustable.	MAIN	R253
NOTE: Set R253 to center position after above verification.							

*CCW: Counterclockwise

MAIN UNIT



2-6 TRANSMITTER ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT			
		UNIT	LOCATION		UNIT	ADJUST		
IDLING CURRENT (IC-575A)	1 <ul style="list-style-type: none"> • USB mode • [MIC GAIN] control: Max. CCW* • Unsolder solder joint between L5 and EP3. • Transmitting 	PA	Connect the ammeter between L5 and EP3.	250 mA	PA	R4		
	2 <ul style="list-style-type: none"> • Unsolder solder joint between L7 and R14. 		Connect the ammeter between L7 and R14.				100 mA	R7
NOTE: Re-solder after making adjustment.								
IDLING CURRENT (IC-575H)	1 <ul style="list-style-type: none"> • USB mode • [MIC GAIN] control: Max. CCW* • R5, R8, R23 (PA): Max. CCW* • C1 (PA): Center • Unsolder solder joint between W6 and W7. • Transmitting 	PA	Connect the ammeter between W6 and W7.	500 mA	PA	R5		
	2 <ul style="list-style-type: none"> • Unsolder solder joint between L6 and L7. 		Connect the ammeter between L6 and L7.				100 mA	R8
	3 <ul style="list-style-type: none"> • Unsolder land between R26 and W10. 		Connect the ammeter between R26 (W10 side) and W10.				500 mA	R23
NOTE: Re-solder after making adjustment.								

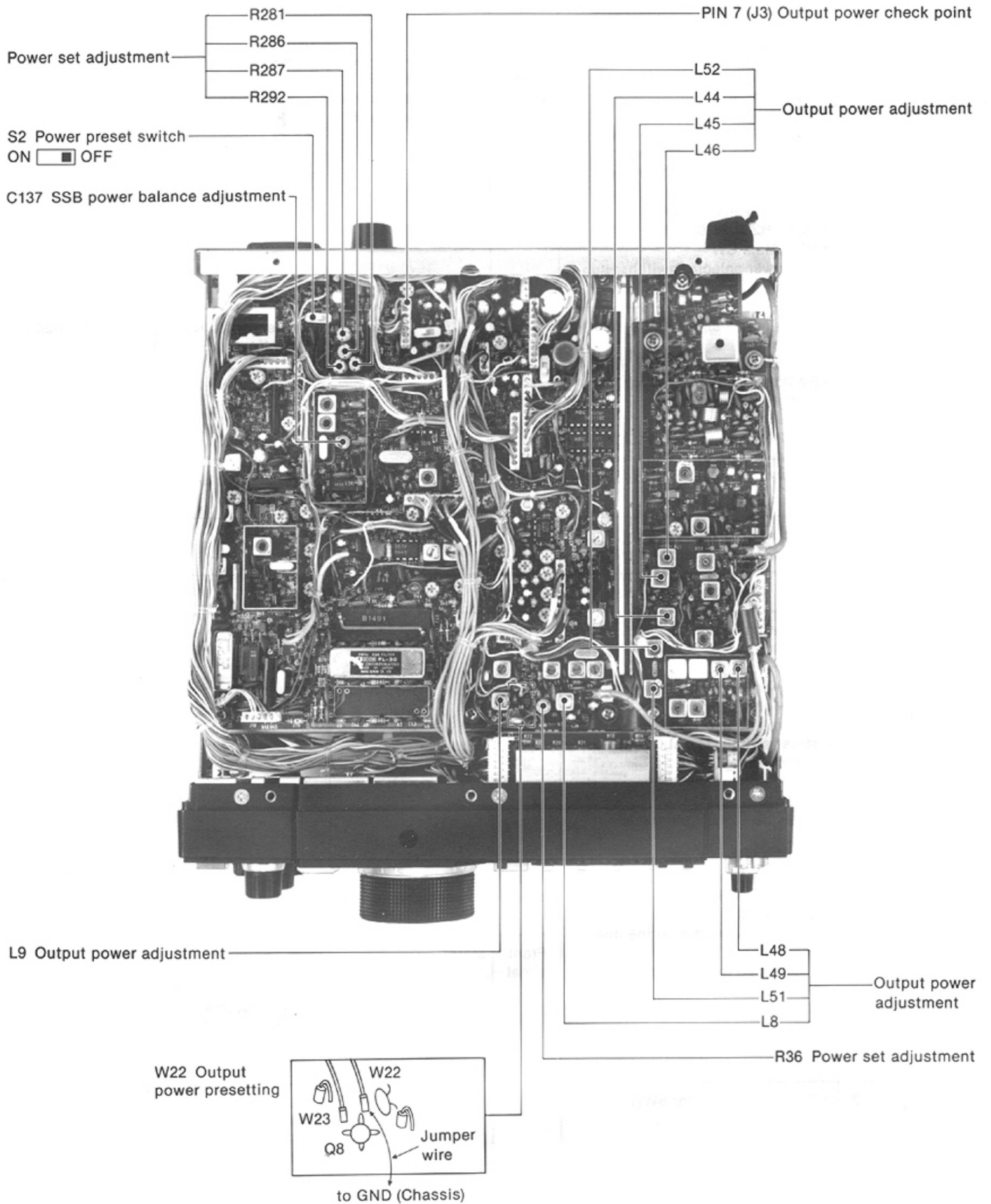
*CCW: Counterclockwise

TRANSMITTER ADJUSTMENT (CONTINUED)

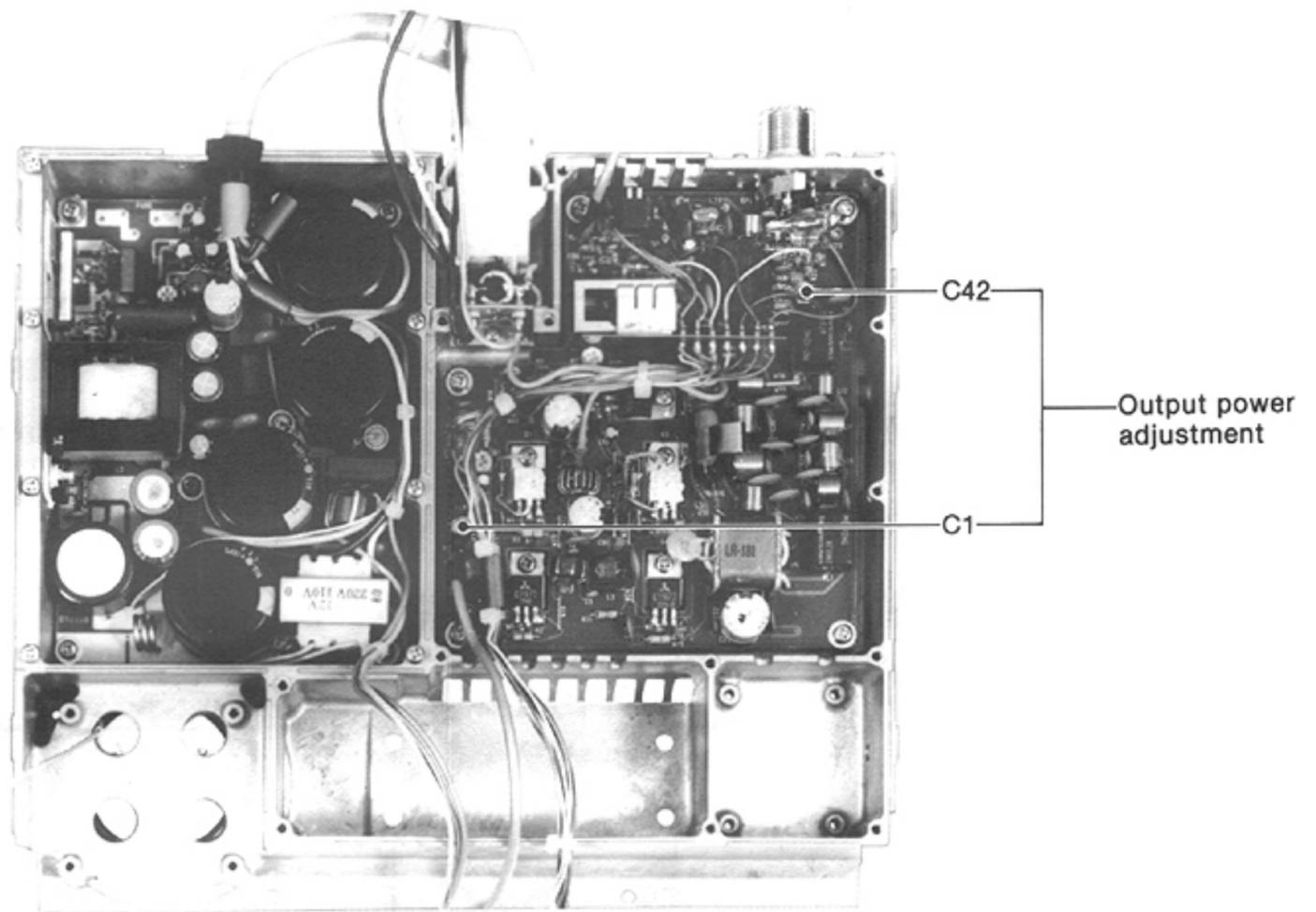
ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT		
		UNIT	LOCATION		UNIT	ADJUST	
OUTPUT POWER	1	<ul style="list-style-type: none"> Operating frequency: 52.0000 MHz USB mode [RF PWR] control: Max. CW* Ground W22 to chassis. Apply an AF signal to the mic connector. Level: 2 mV/1.5 kHz [MIC GAIN] control: Center Transmitting 	Rear panel	Connect the RF power meter to the antenna connector.	Adjust for maximum output.	MAIN RF-YGR	L9, L8 L48, L49, L51, L52, L44, L45, L46
	2	<ul style="list-style-type: none"> Operating frequency: 50.1000 MHz 	MAIN	Connect the DC voltmeter to J3 pin 7.	Minimum	PA	C42 (IC-575H: FILTER C17)
	3	<ul style="list-style-type: none"> Operating frequency: 29.0000 MHz, 52.0000 MHz 	Rear panel	Connect the RF power meter to the antenna connector.	Adjust for same output level on both frequencies.	PA	C1
NOTE: Repeat above adjustment 1 several times. After completing the adjustment remove the jumper wire from W22.							
SSB POWER BALANCE	1	<ul style="list-style-type: none"> Operating frequency: 52.0000 MHz Apply an AF signal to the mic connector. Level: 2 mV/300 Hz USB and LSB modes Adjust [MIC GAIN] to a point where the power level is 2.5 W (IC-575H: 25 W). [MIC TONE] control: Center 	Rear panel	Connect the RF power meter to the antenna connector.	Adjust for same output level on both modes.	MAIN	C137
POWER SET (IC-575A)	1	<ul style="list-style-type: none"> Operating frequency: 50.0000 MHz USB mode [RF PWR] control: Max. CW* [MIC GAIN] control: Center Apply an AF signal to the mic connector. Level: 2 mV/1.5 kHz Transmitting 	Rear panel	Connect the RF power meter to the antenna connector.	5 W	MAIN	R36
	2	<ul style="list-style-type: none"> Apply an AF signal to the mic connector. Level: 20 mV/1.5 kHz S2 Power preset switch: ON R292: Max. CCW* R281: Max. CW* [RF PWR] control: Max. CCW* 			1 W		R286
	3	<ul style="list-style-type: none"> [RF PWR] control: Max. CW* R281: Max. CCW* 			5 W		R287
	4				12 W		R281
	5	<ul style="list-style-type: none"> S2 Power preset switch: OFF 			10 W		R292
	6	<ul style="list-style-type: none"> [RF PWR] control: Max. CCW* 			1 W		R286
	NOTE: Repeat above adjustment several times.						

*CW: Clockwise *CCW: Counterclockwise

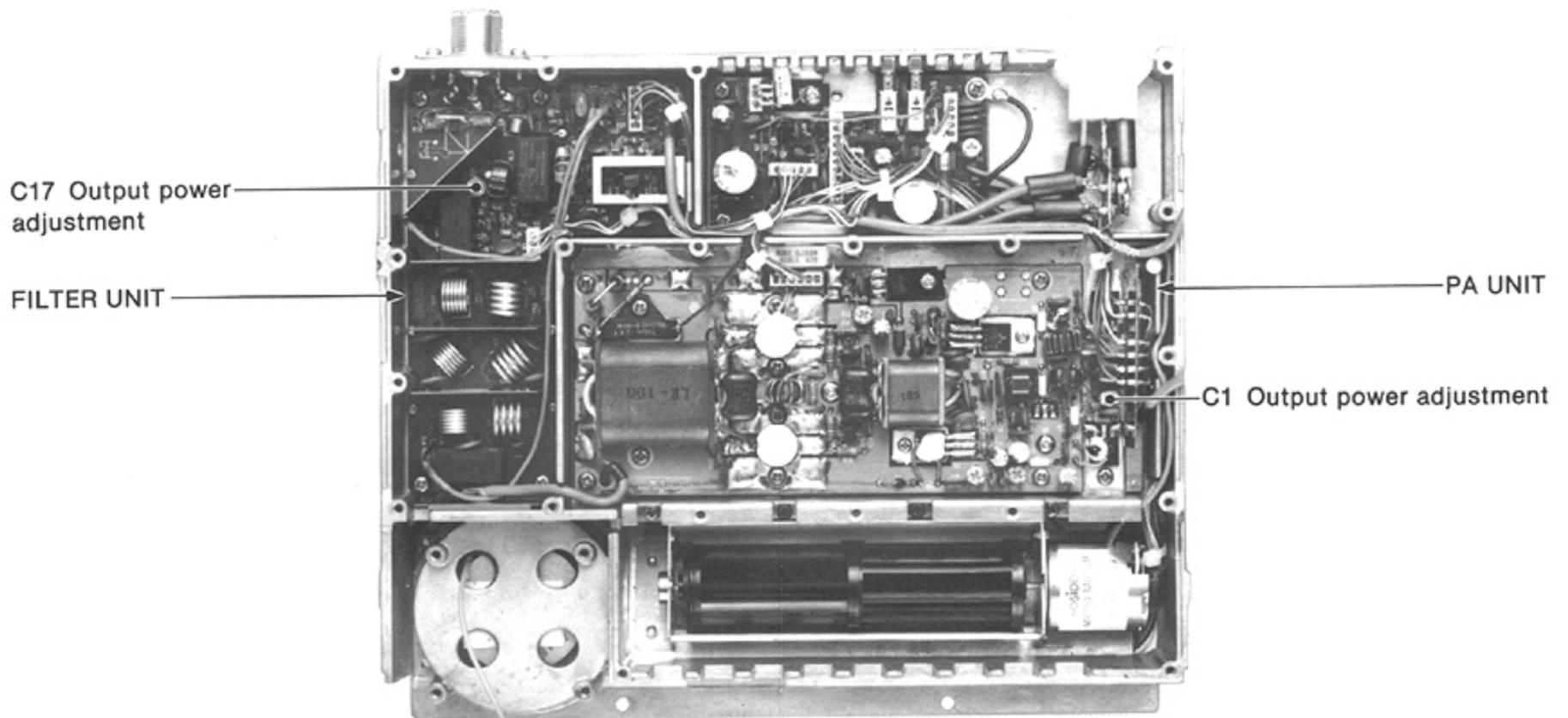
MAIN AND RF-YGR UNITS



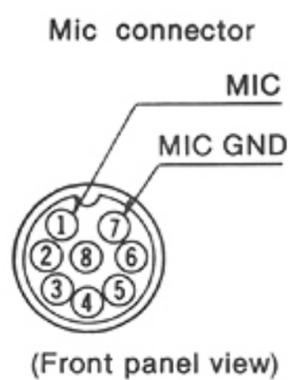
PA UNIT (IC-575A)



PA AND FILTER UNITS (IC-575H)



CONNECTOR INFORMATION

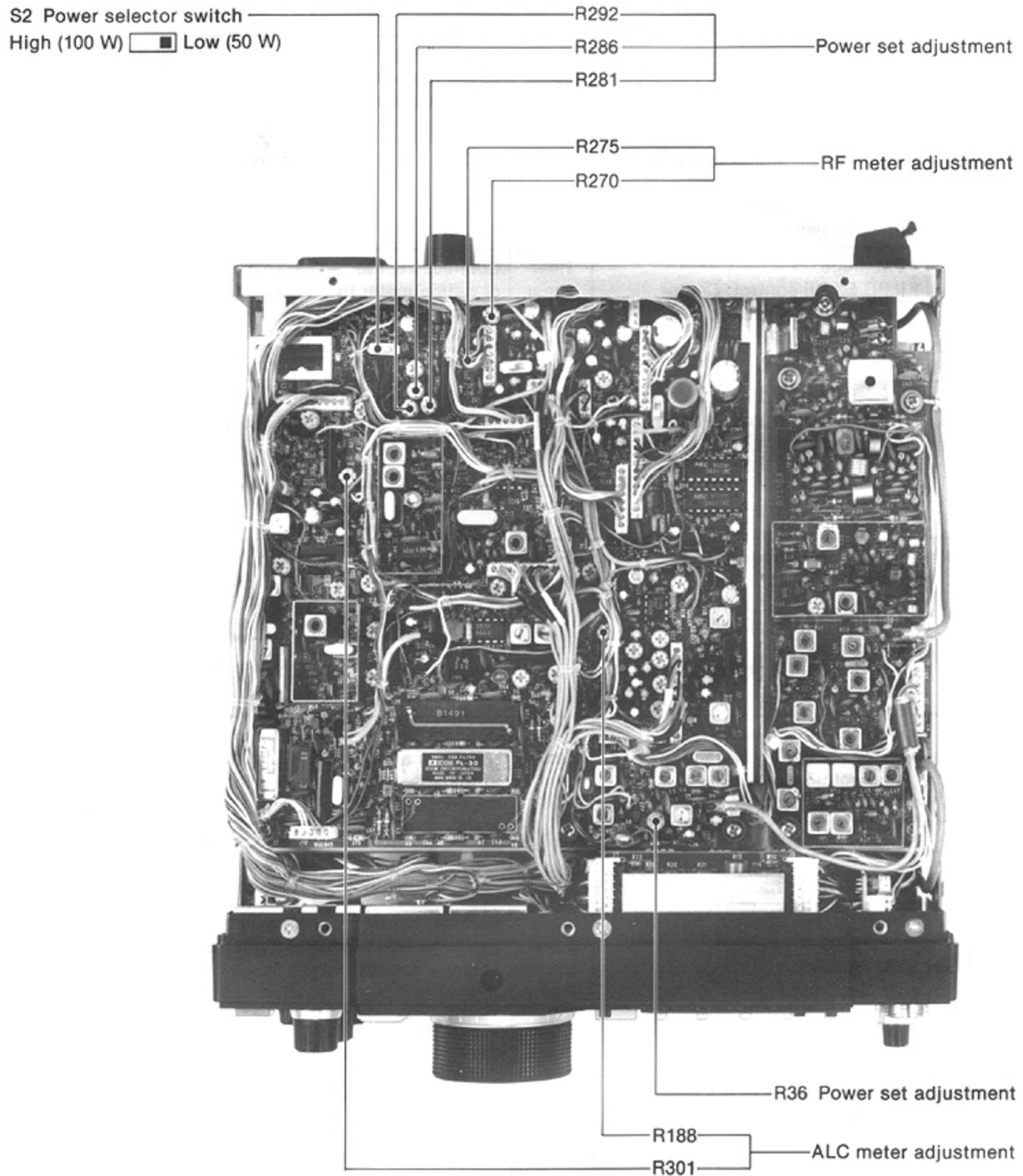


TRANSMITTER ADJUSTMENT (CONTINUED)

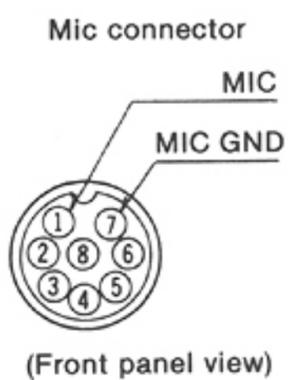
ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT				
		UNIT	LOCATION		UNIT	ADJUST			
POWER SET (IC-575H)	1	<ul style="list-style-type: none"> Operating frequency: 50.0000 MHz USB mode [RF PWR] control: Max. CW* [MIC GAIN] control: Center Apply an AF signal to the mic connector. Level: 2 mV/1.5 kHz R281, R286, R292: Max. CCW* R36: Max. CW* S2 Power selector switch: High Transmitting 	Rear panel	Connect the RF power meter to the antenna connector.	50 W	MAIN	R36		
	2	<ul style="list-style-type: none"> Apply an AF signal to the mic connector. Level: 20 mV/1.5 kHz S2 Power selector switch: High (except U.K.) Low (U.K.) [RF PWR] control: Max. CCW* 					10 W (except U.K.) 5 W (U.K.)	R286	
	3	<ul style="list-style-type: none"> [RF PWR] control: Max. CW* 					100 W (except U.K.) 50 W (U.K.)	R292	
	4	<ul style="list-style-type: none"> AC power supply: 11.7 V S2 Power selector switch: High 					80 W	R281	
	NOTE: After above adjustment, set S2 to "Low" position. (IC-575H: U.K.)								
ALC METER	1	<ul style="list-style-type: none"> Operating frequency: 28.0000 MHz USB mode Apply an AF signal to the mic connector. Level: 10 mV/1.5 kHz Meter switch: C • ALC Transmitting 	Rear panel	Meter	100 % (ALC scale)	MAIN	R301		
	2	<ul style="list-style-type: none"> AM mode Apply no signal to the mic connector. 			S8 (ALC meter)		R188		
RF METER (SET)	1	<ul style="list-style-type: none"> Operating frequency: 52.0000 MHz USB mode Apply an AF signal to the mic connector. 	Rear panel	Connect the RF power meter to the antenna connector.	4 W (IC-575H: 25 W)	Front panel	[RF PWR] control		
	2	<ul style="list-style-type: none"> Apply an AF signal to the mic connector. Level: 20 mV/1.5 kHz Meter switch: S • RF [TX-METER] switch: SET Transmitting 					SWR SET position	MAIN	R275
	(SWR)	<ul style="list-style-type: none"> [TX-METER] switch: SWR 					Less than 1.2 (SWR scale)	Verify	
	(RF)	<ul style="list-style-type: none"> [TX-METER] switch: RF [RF PWR] control: Max. CW* 					90 % (RF scale)	R270	

*CW: Clockwise *CCW: Counterclockwise

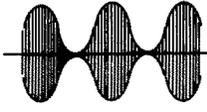
MAIN UNIT



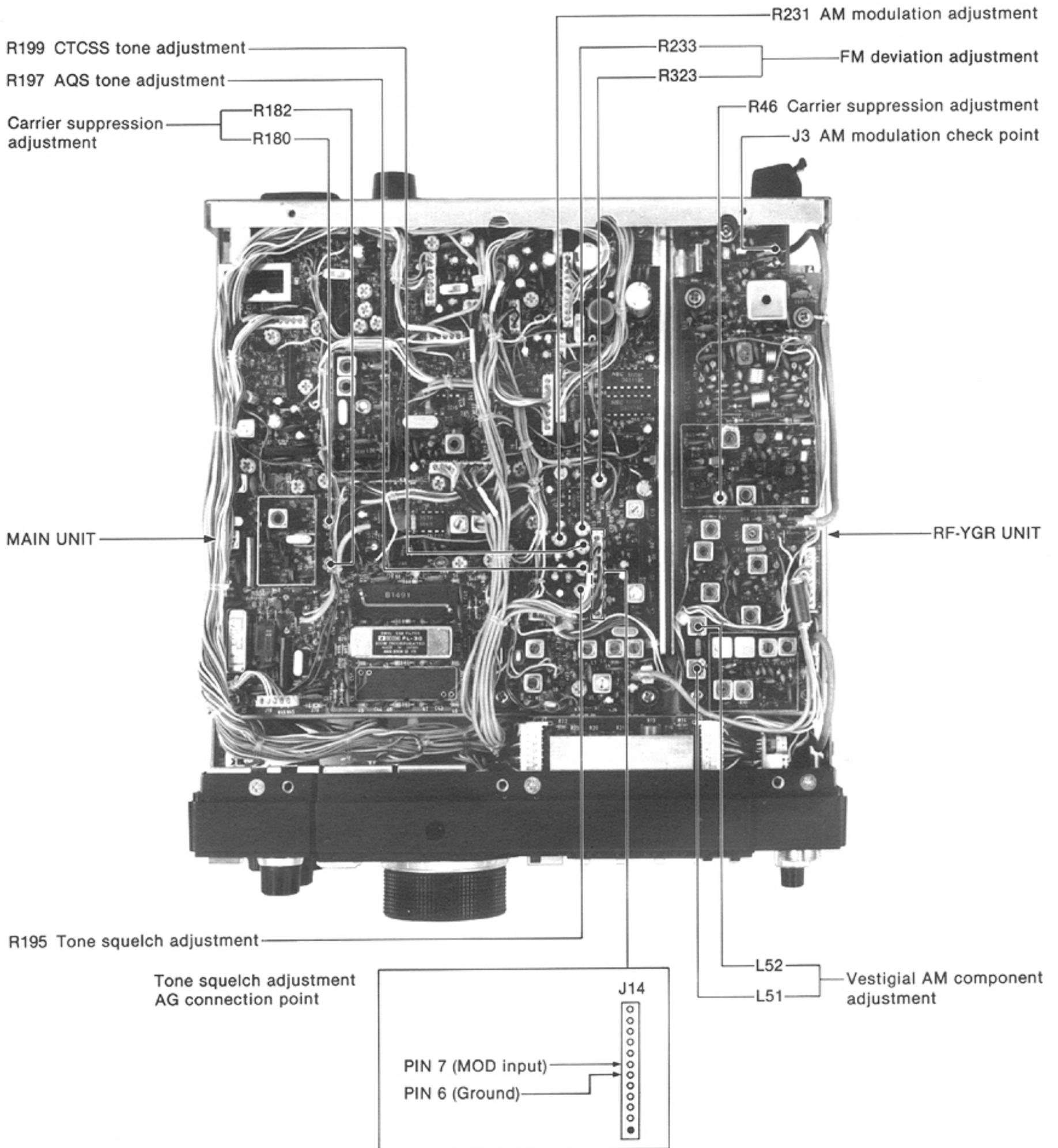
CONNECTOR INFORMATION



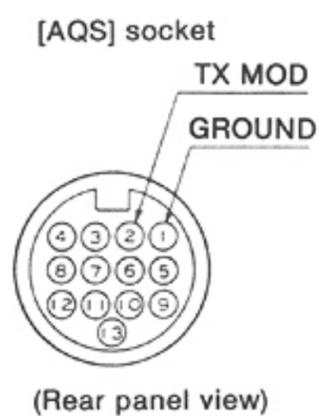
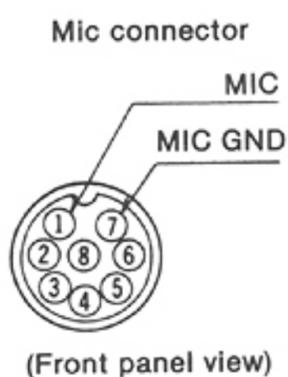
TRANSMITTER ADJUSTMENT (CONTINUED)

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
COMP LEVEL	1 <ul style="list-style-type: none"> • USB mode • Apply an AF signal to the mic connector. Level: 5 mV/1.5 kHz 	Rear panel	Connect the RF power meter to the antenna connector.	5 W (IC-575H: 50 W)	Front panel	[MIC GAIN] control
	2 <ul style="list-style-type: none"> • Apply an AF signal to the mic connector. (10 dB down) Level: 1.6 mV/1.5 kHz • [COMP] switch: ON 			5 W (IC-575H: 50 W)	Rear panel	[COMP LEVEL] control
FM DEVIATION	1 <ul style="list-style-type: none"> • FM mode • [MIC GAIN] control: Center • Apply an AF signal to the mic connector. Level: 20 mV/1 kHz • Transmitting 	Rear panel	Connect the FM deviation meter to the antenna connector via the attenuator.	±4.8 kHz	MAIN	R233
	2 <ul style="list-style-type: none"> • Apply an AF signal to the mic connector. Level: 2 mV/1 kHz 			±3.5 kHz		R323
	NOTE: Repeat above adjustment 1.					
AM MODULATION	1 <ul style="list-style-type: none"> • Operating frequency: 28.0000 MHz • AM mode • Apply an AF signal to the mic connector. Level: 20 mV/700 Hz • Transmitting 	RF-YGR	Connect the oscilloscope to J3.	100 % modulation 	MAIN	R231
CARRIER SUPPRESSION	1 <ul style="list-style-type: none"> • USB and LSB modes • Apply no signal to the mic connector. • Transmitting 	Rear panel	Connect the spectrum analyzer to the antenna connector via the attenuator.	Minimum carrier level on both modes (Less than -40 dB)	MAIN	R180, R182
	2 <ul style="list-style-type: none"> • FM mode 			Minimum spurious level of nearby frequency.	RF-YGR	R46
VESTIGIAL AM COMPONENT	1 <ul style="list-style-type: none"> • Operating frequency: 50.0000 MHz • FM mode • Transmitting 	Rear panel	Connect the RF power meter to the antenna connector.	Minimum vestigial AM component	RF-YGR	L51, L52
CTCSS TONE	1 <ul style="list-style-type: none"> • Operating frequency: 52.0000 MHz • FM mode • Apply no signal to the mic connector. • [TONE] switch: ON • Tone frequency: 67.0 Hz • Transmitting 	Rear panel	Connect the FM deviation meter to the antenna connector via the attenuator.	±0.5 kHz	MAIN	R199
AQS TONE	1 <ul style="list-style-type: none"> • FM mode • Apply no signal to the mic connector. • Apply an AF signal to the [AQS] socket pin 2 (pin 1 is ground). Level: 300 mV/1.2 kHz • Transmitting 	Rear panel	Connect the FM deviation meter to the antenna connector via the attenuator.	±4 kHz	MAIN	R197
TONE SQUELCH	1 <ul style="list-style-type: none"> • FM mode • Apply no signal to the mic connector. • Apply an AF signal to J14 pin 7 (pin 6 is ground). Level: 400 mV/67.0 Hz • Transmitting 	Rear panel	Connect the FM deviation meter to the antenna connector via the attenuator.	±0.5 kHz	MAIN	R195

MAIN AND RF-YGR UNITS



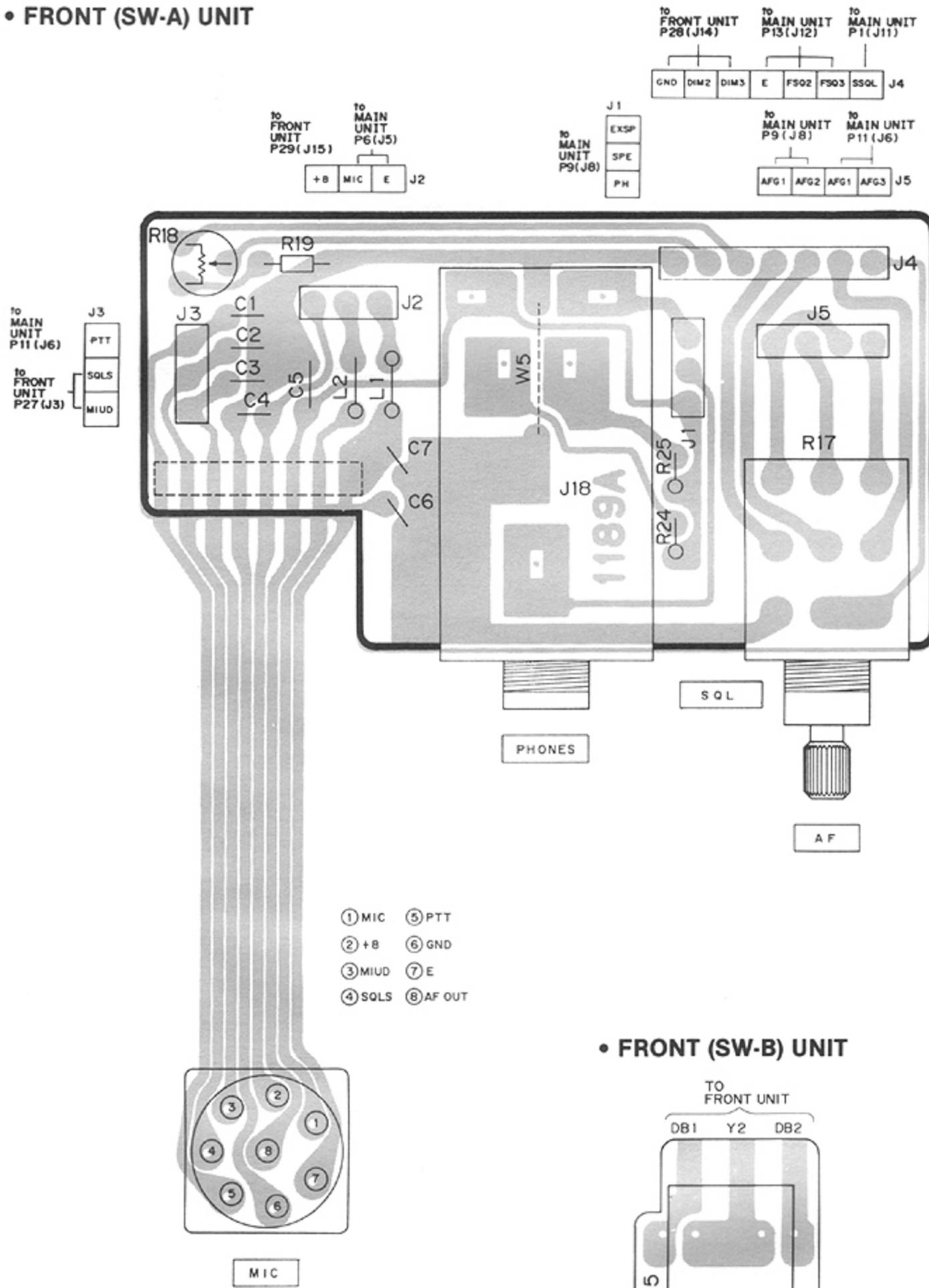
CONNECTOR INFORMATION



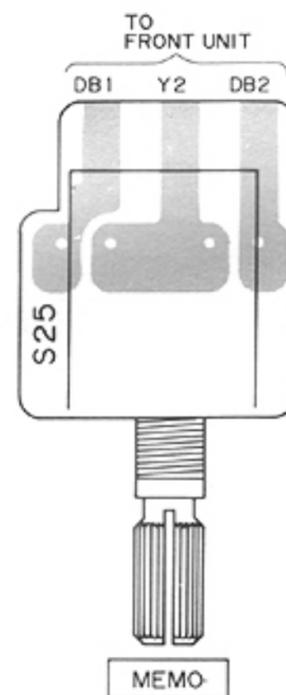
SECTION 3 BOARD LAYOUTS

3-1 FRONT UNIT (1)

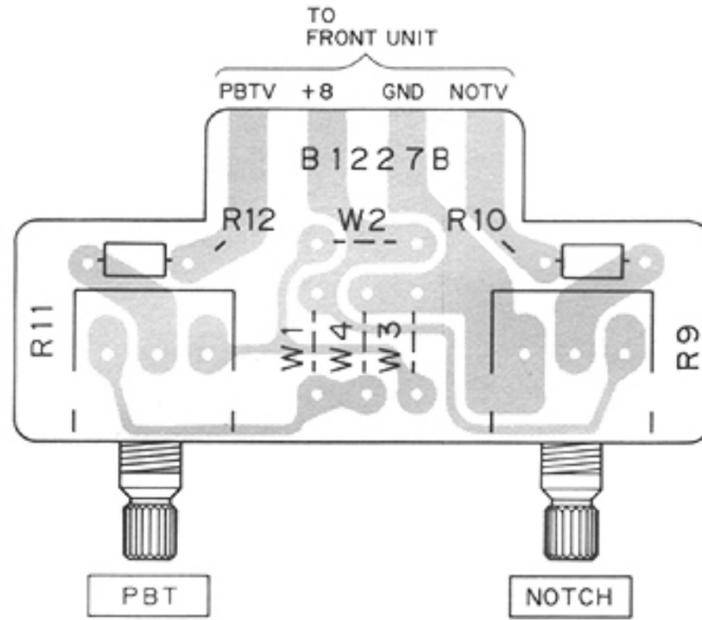
• FRONT (SW-A) UNIT



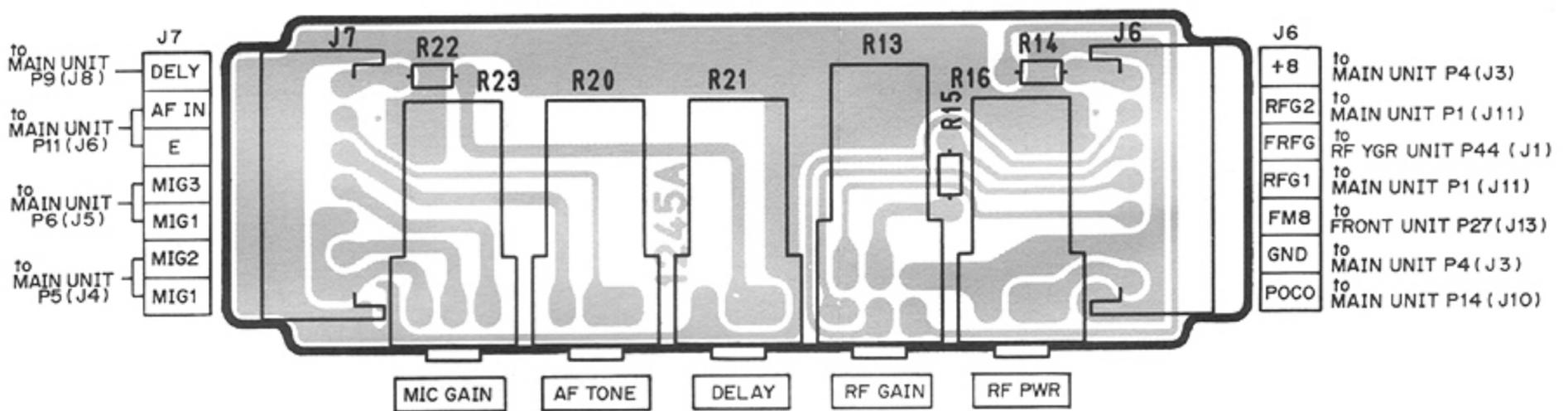
• FRONT (SW-B) UNIT



• FRONT (VR-A) UNIT

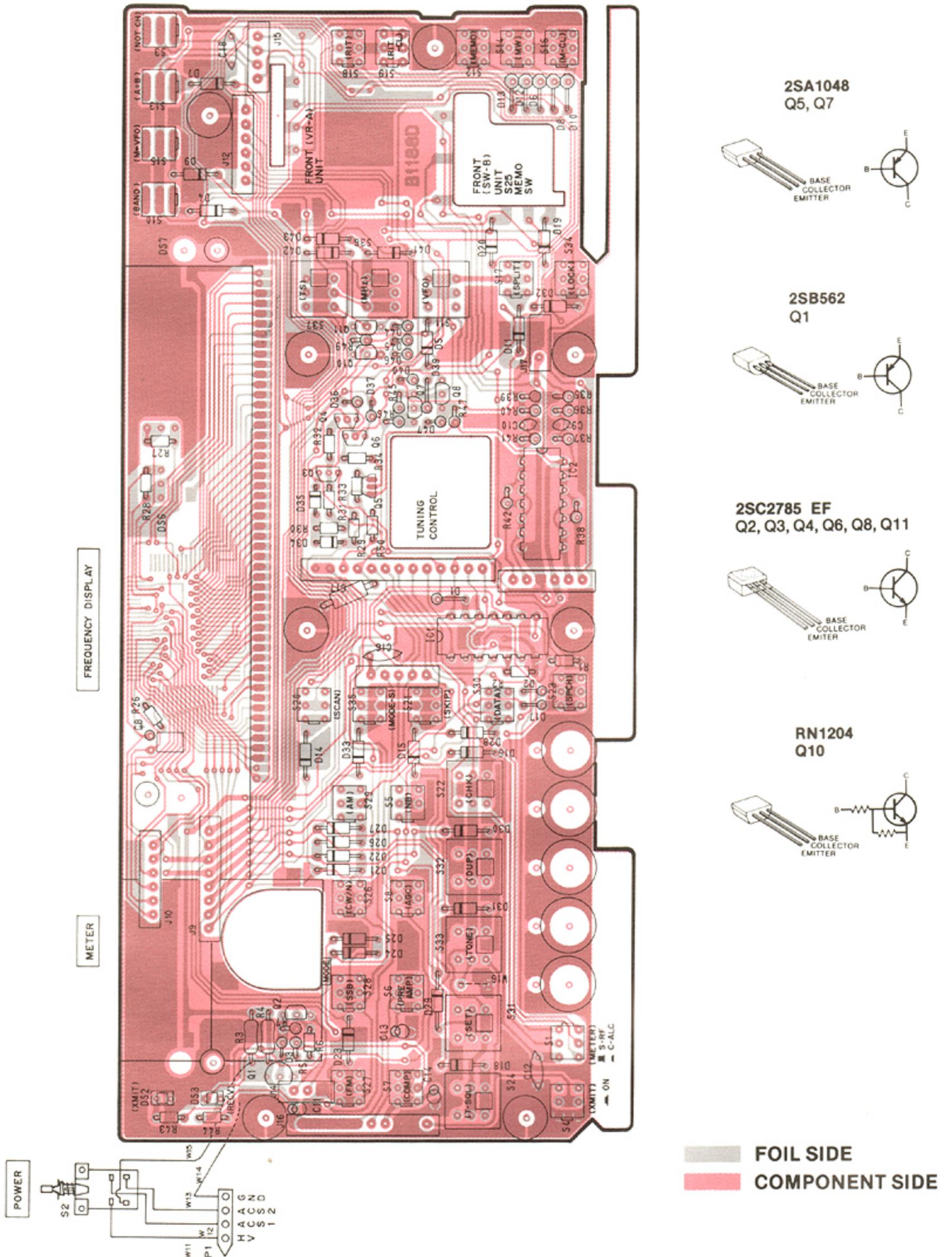


• FRONT (VR-B) UNIT

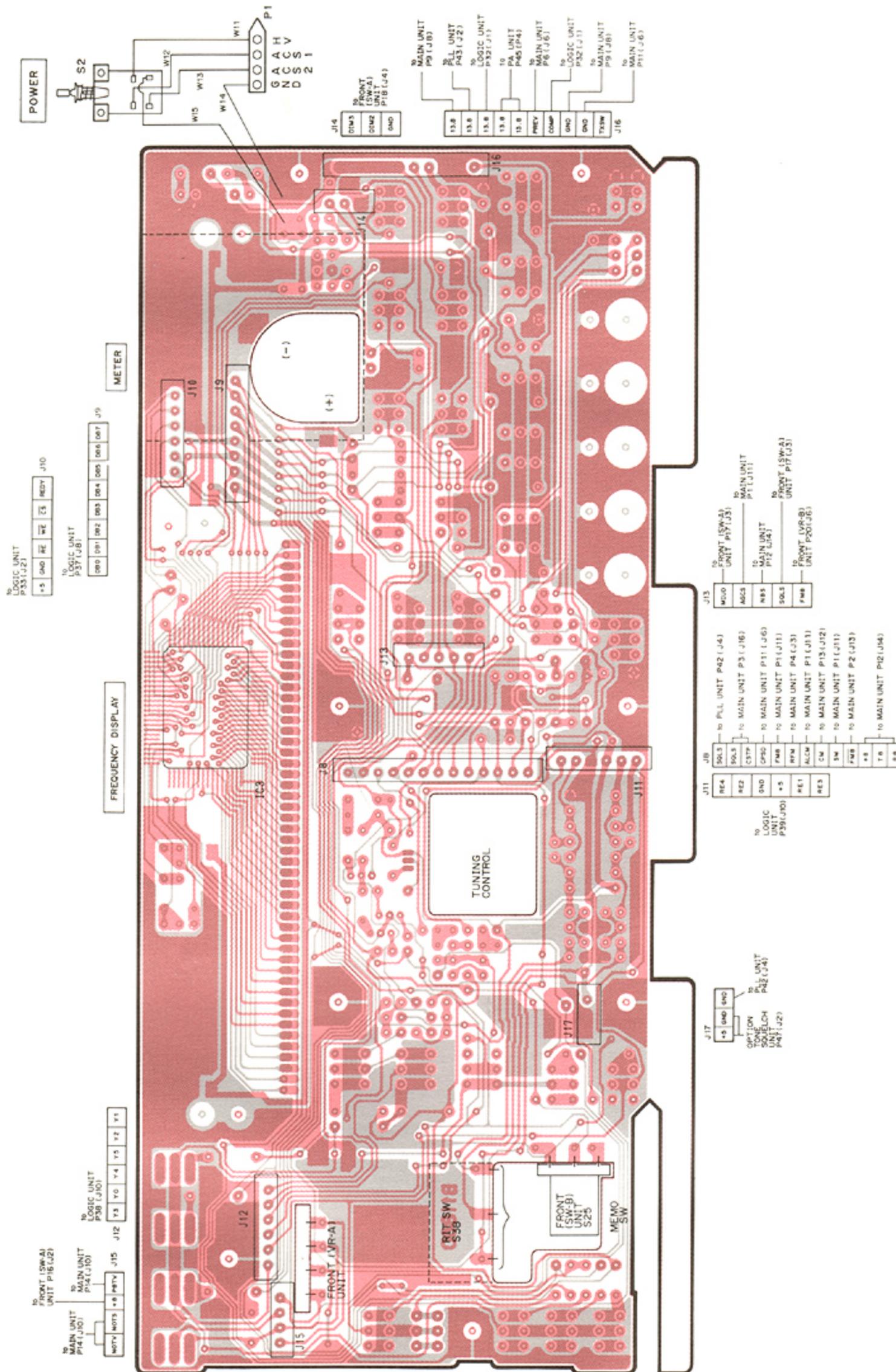


3-2 FRONT UNIT (2)

- FRONT UNIT
COMPONENT SIDE



FOIL SIDE

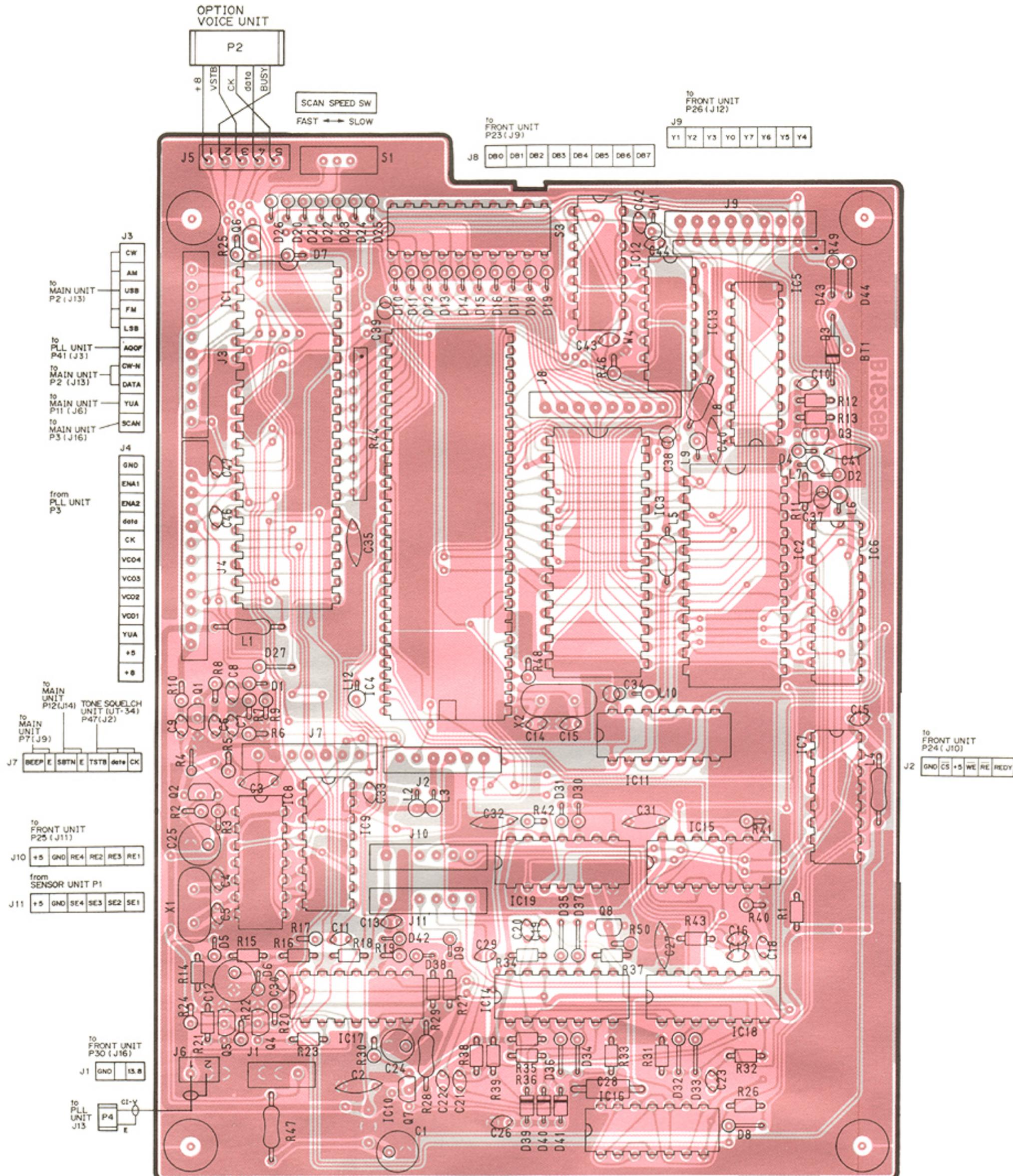


FOIL SIDE
COMPONENT SIDE

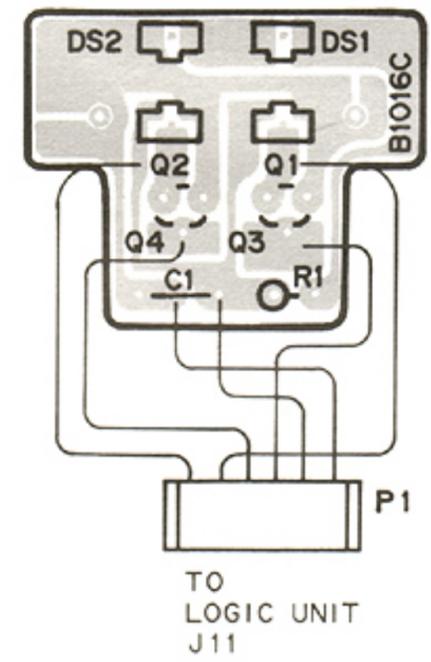
3-3 LOGIC AND SENSOR UNITS

• LOGIC UNIT

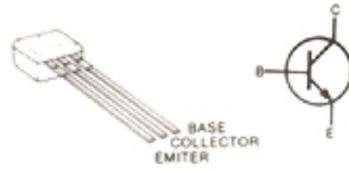
FOIL SIDE
COMPONENT SIDE



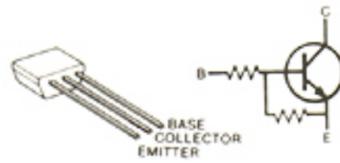
• SENSOR UNIT



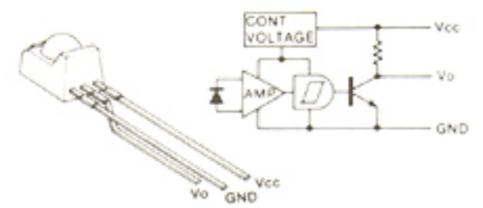
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Q1, Q2, Q3, Q4,
Q5, Q6, Q7



RN1204
Q8



IS-433
Q1, Q2

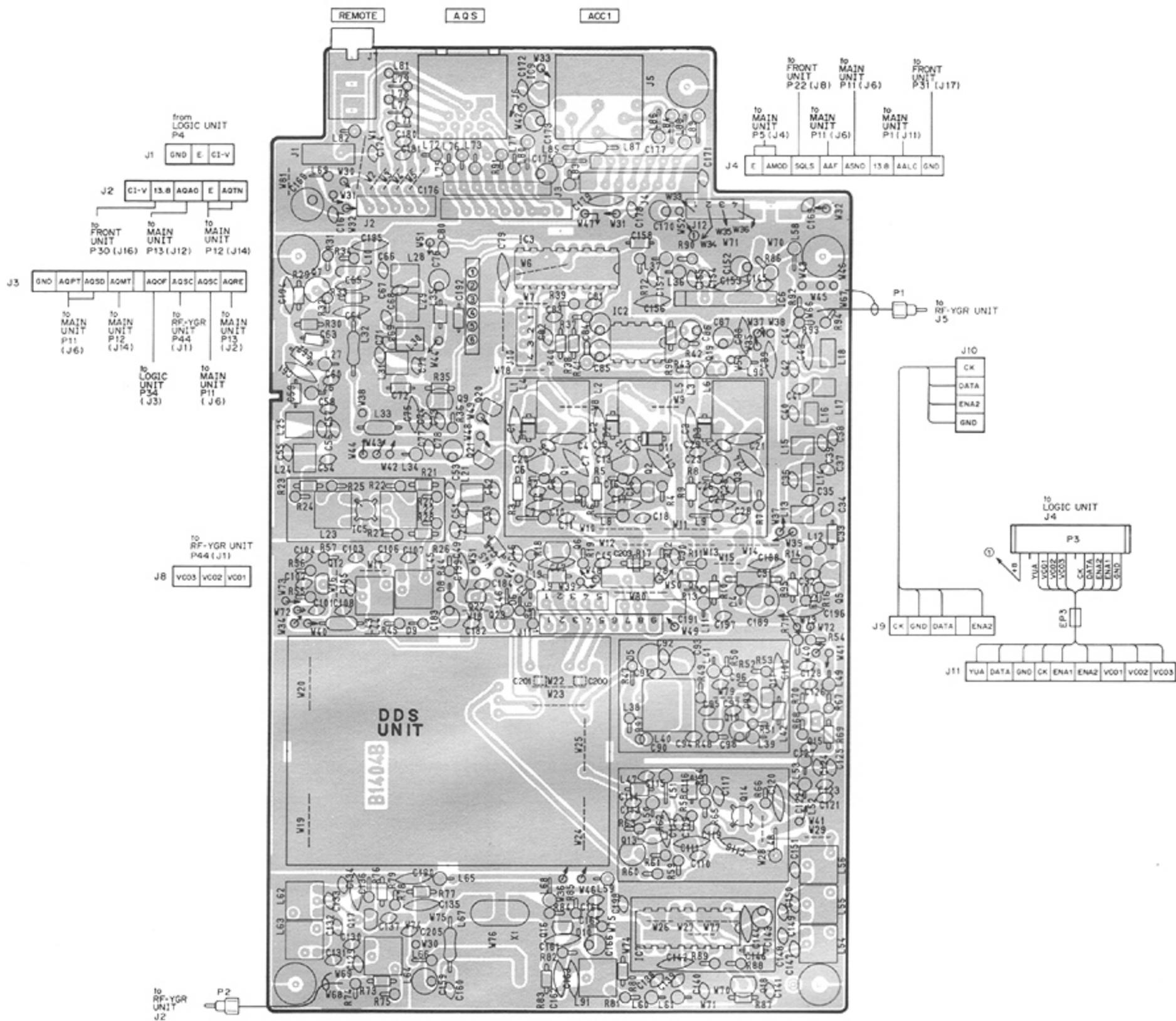


RN1204
Q3, Q4



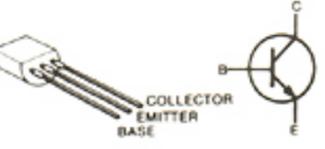
3-4 PLL AND DDS UNITS

- PLL UNIT



• DDS UNIT

2SC2026
Q5, Q9



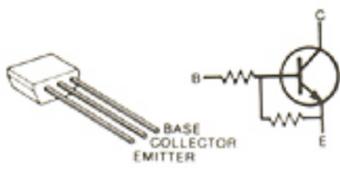
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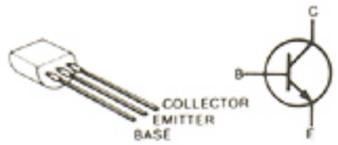
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Q4, Q11,
Q12, Q15,
Q16, Q17



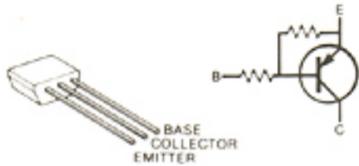
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R19, Q20,
Q21, Q22



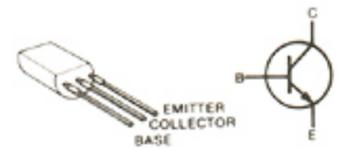
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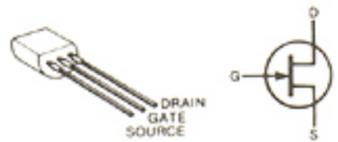
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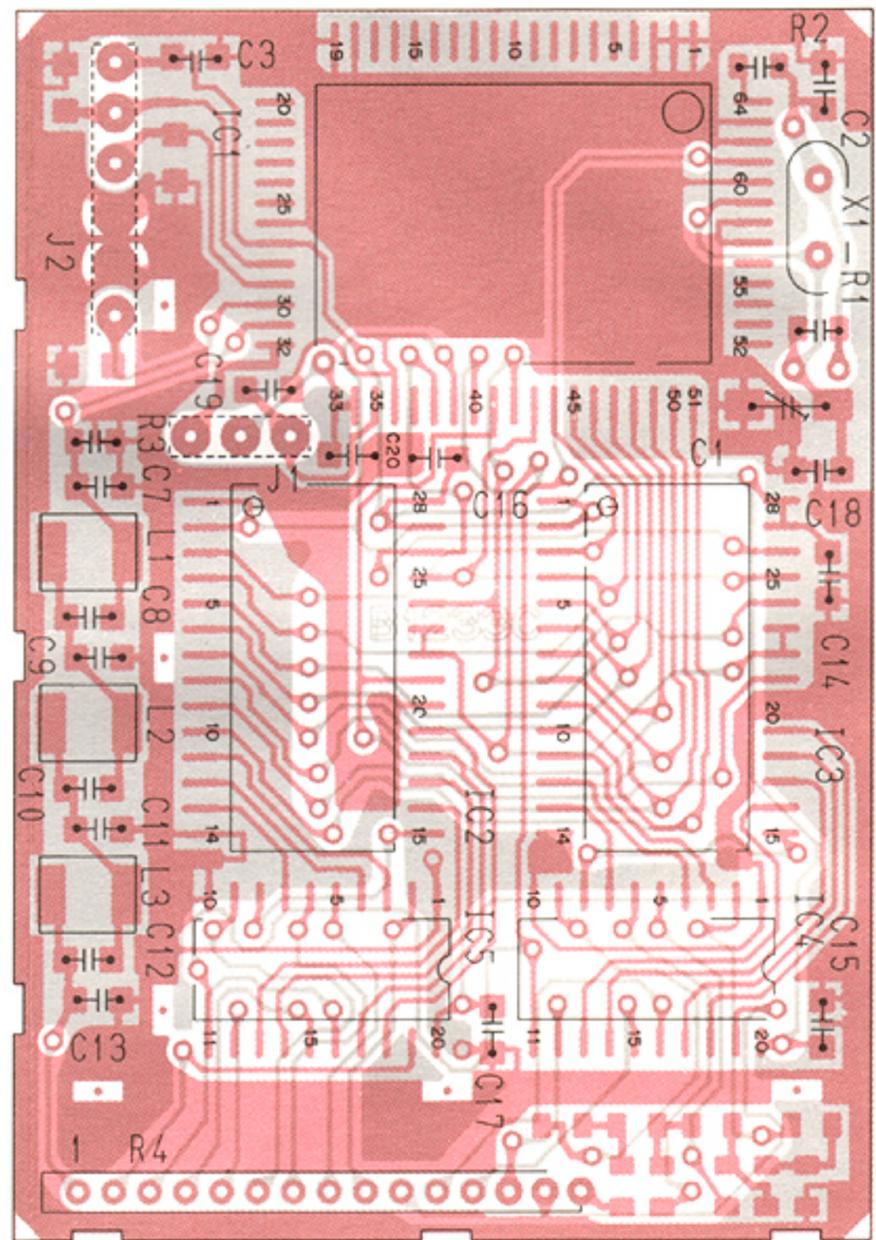
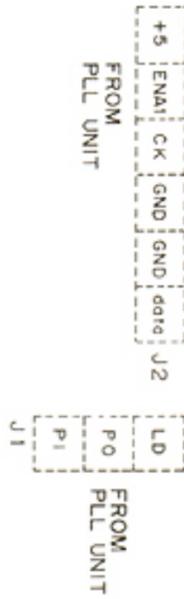
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Q13, Q18



2SK125
Q6

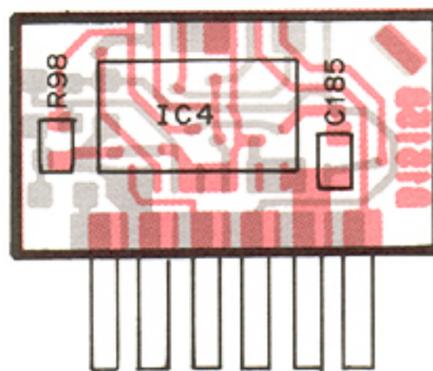


2SK192A GR
Q1, Q2,
Q3, Q10

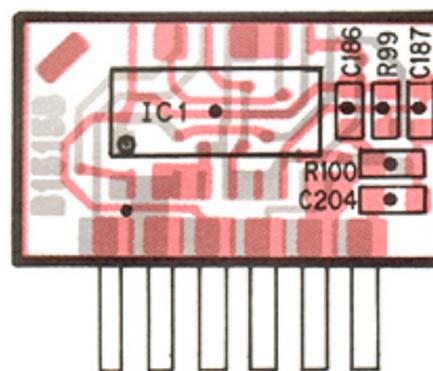


FOIL SIDE
COMPONENT SIDE

• PRESCALER UNIT



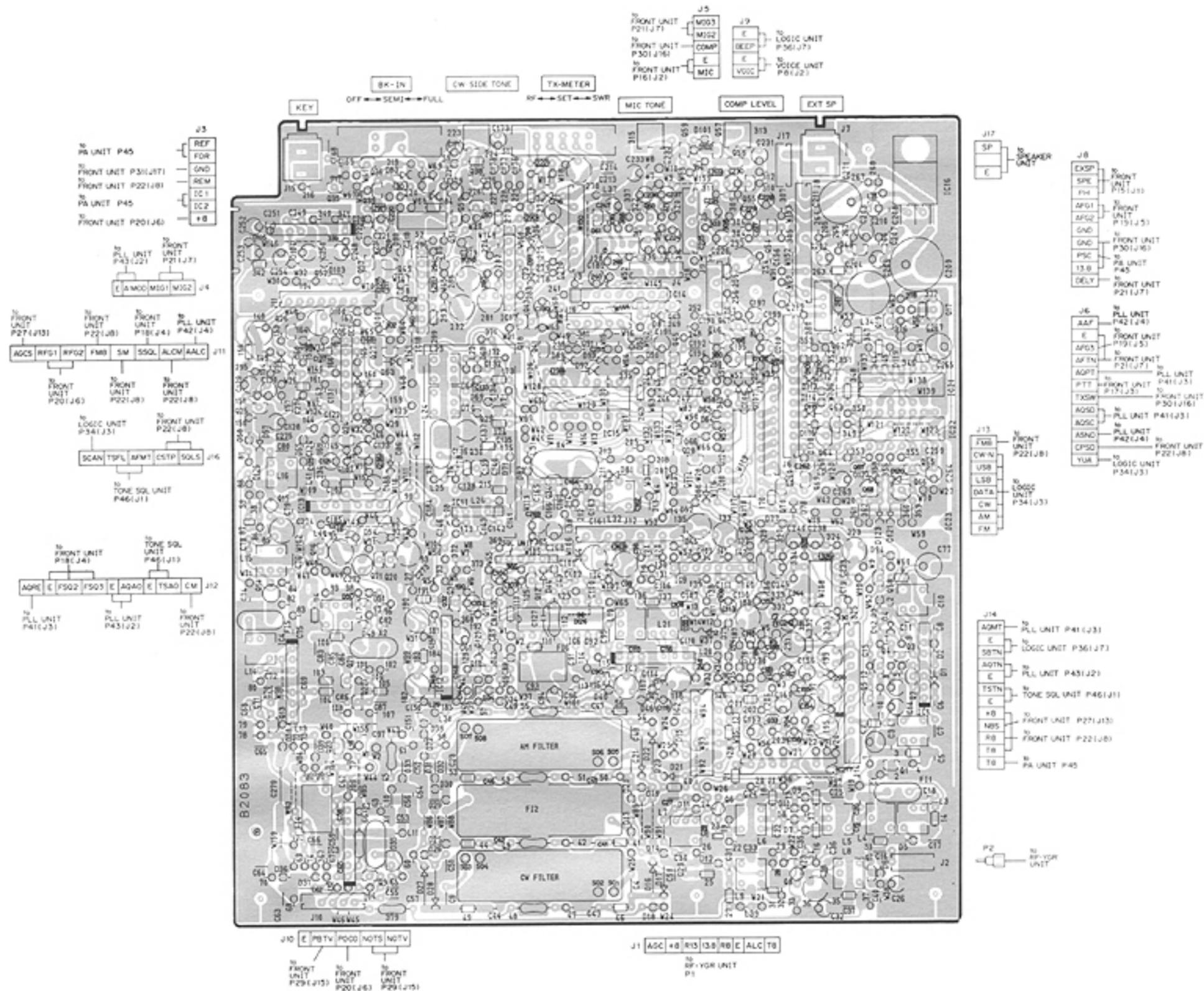
FOIL SIDE
COMPONENT SIDE



FOIL SIDE
COMPONENT SIDE

3-5 MAIN AND SQUELCH UNITS

• MAIN UNIT



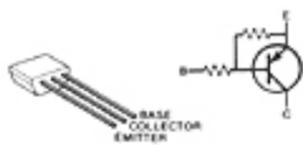
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Q11, Q23,
Q28, Q40,
Q41, Q52,
Q58



RN2202

Q5



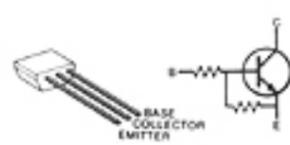
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Q26, Q27,
Q29, Q39,
Q42, Q51,
Q69, Q70,
Q71



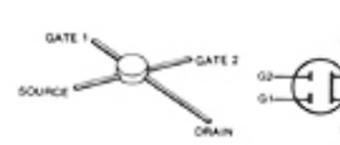
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Q59



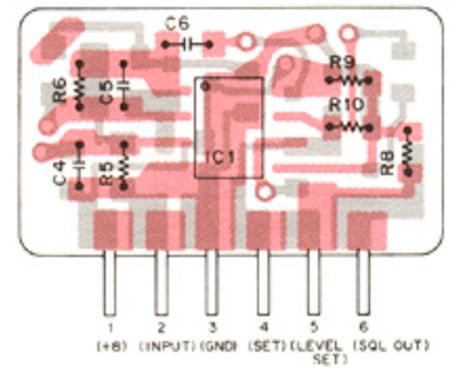
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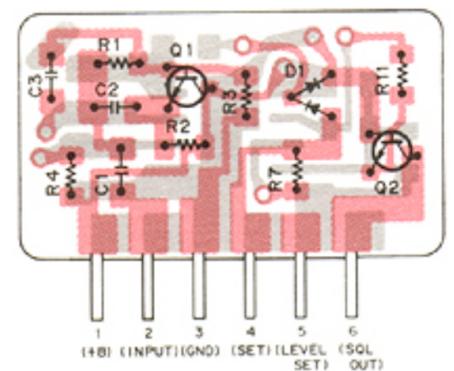


• SQUELCH UNIT

COMPONENT SIDE



FOIL SIDE



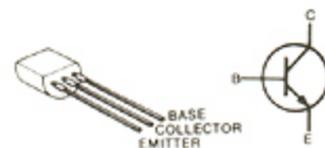
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Q2, Q35, Q49



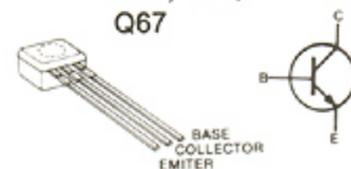
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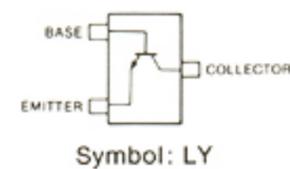
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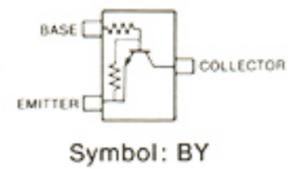
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Q9, Q10,
Q12, Q13,
Q21, Q22,
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Q30, Q31,
Q32, Q33,
Q34, Q36,
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Q61, Q62,
Q63, Q65,
Q67



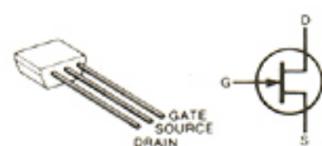
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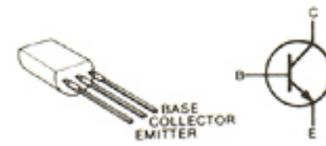
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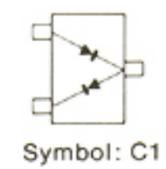
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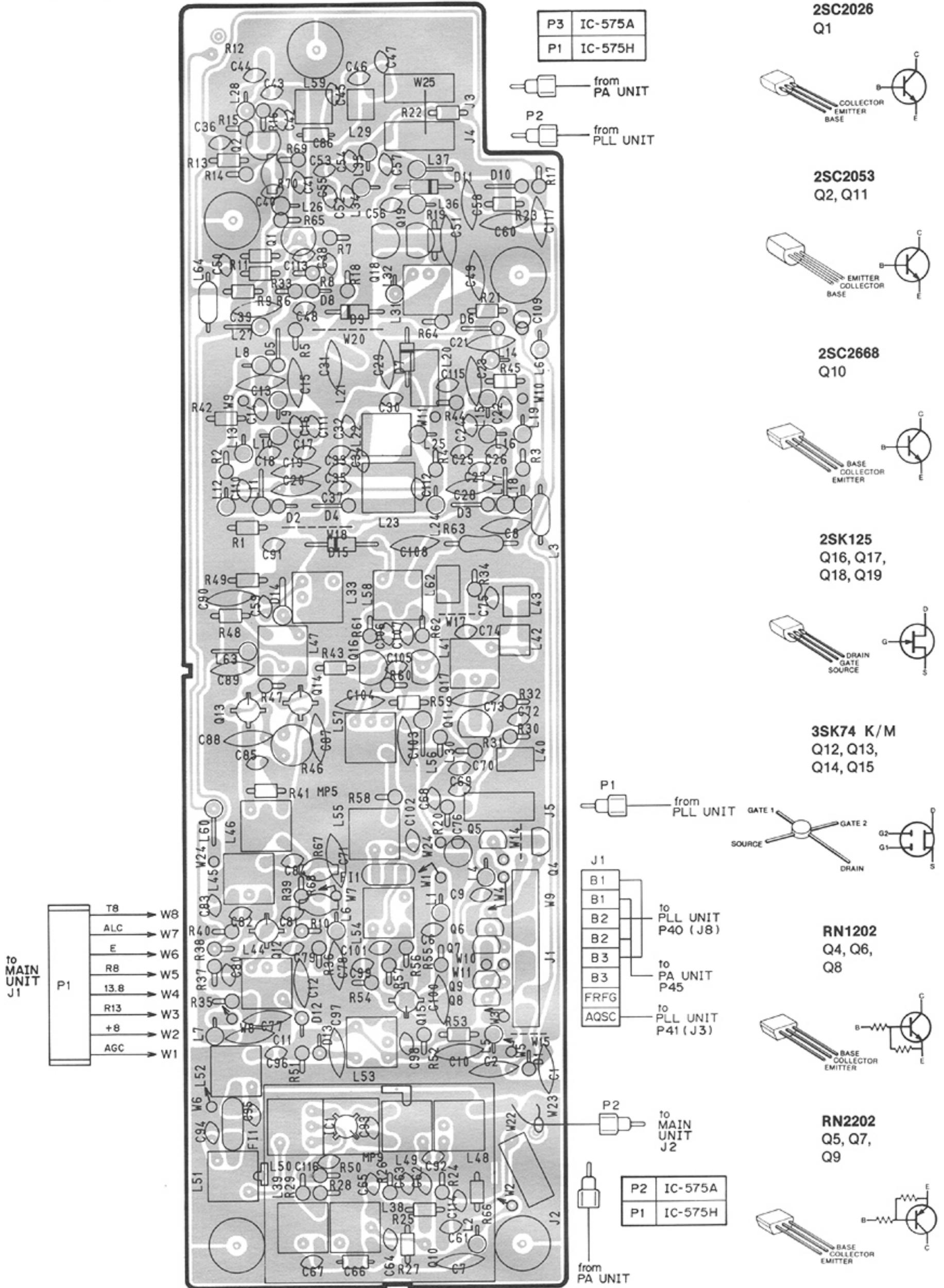
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Q64, Q66,
Q68



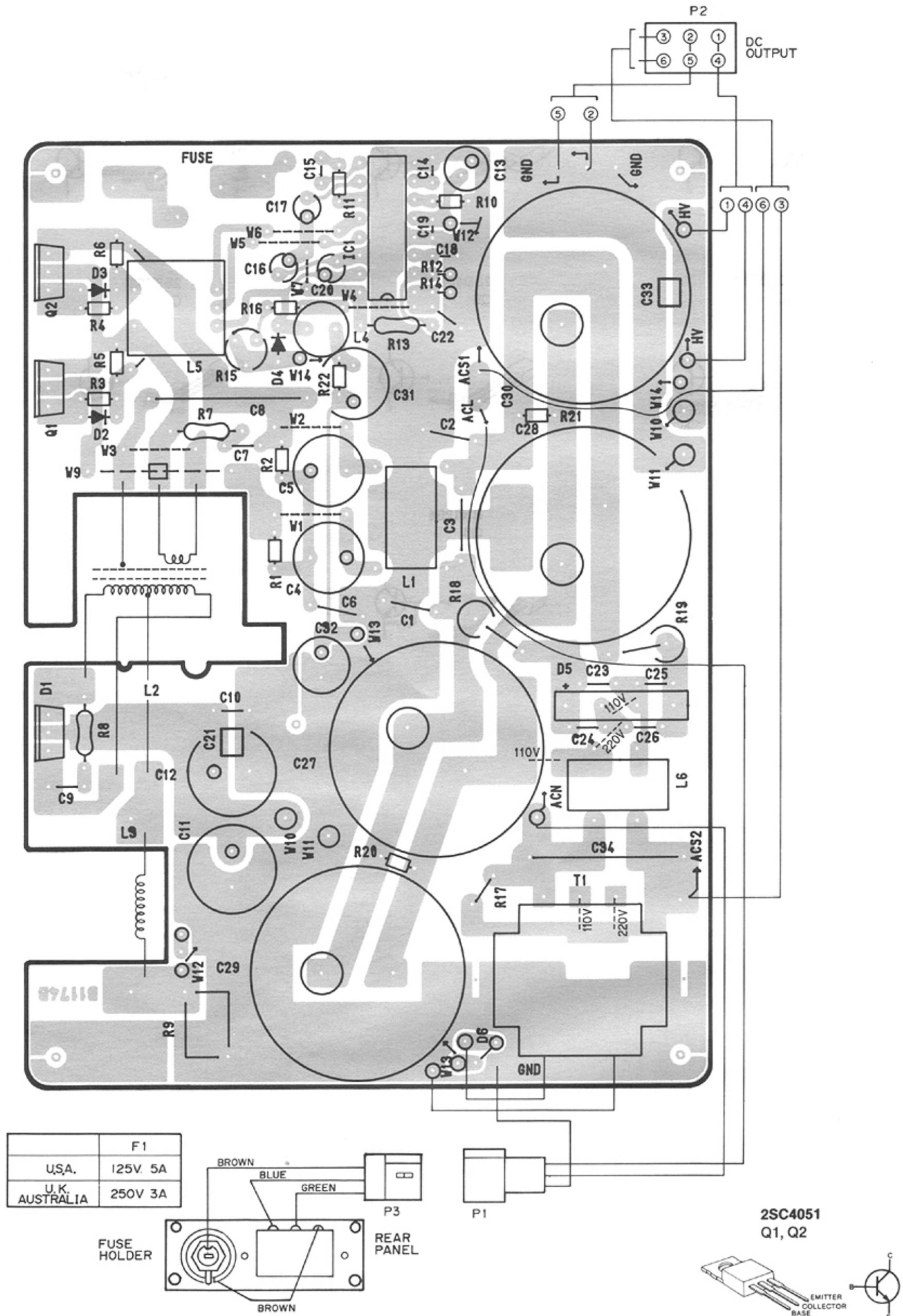
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3-6 RF-YGR UNIT

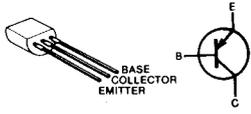


3-7 REG UNIT (IC-575A ONLY)

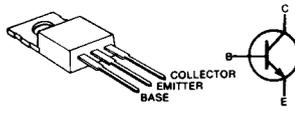


3-8 PA UNIT (IC-575A ONLY)

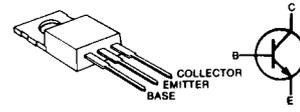
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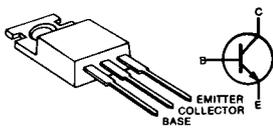
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Q1, Q2



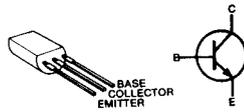
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2SD313
Q5



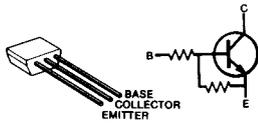
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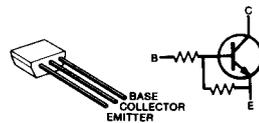
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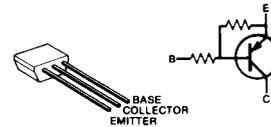
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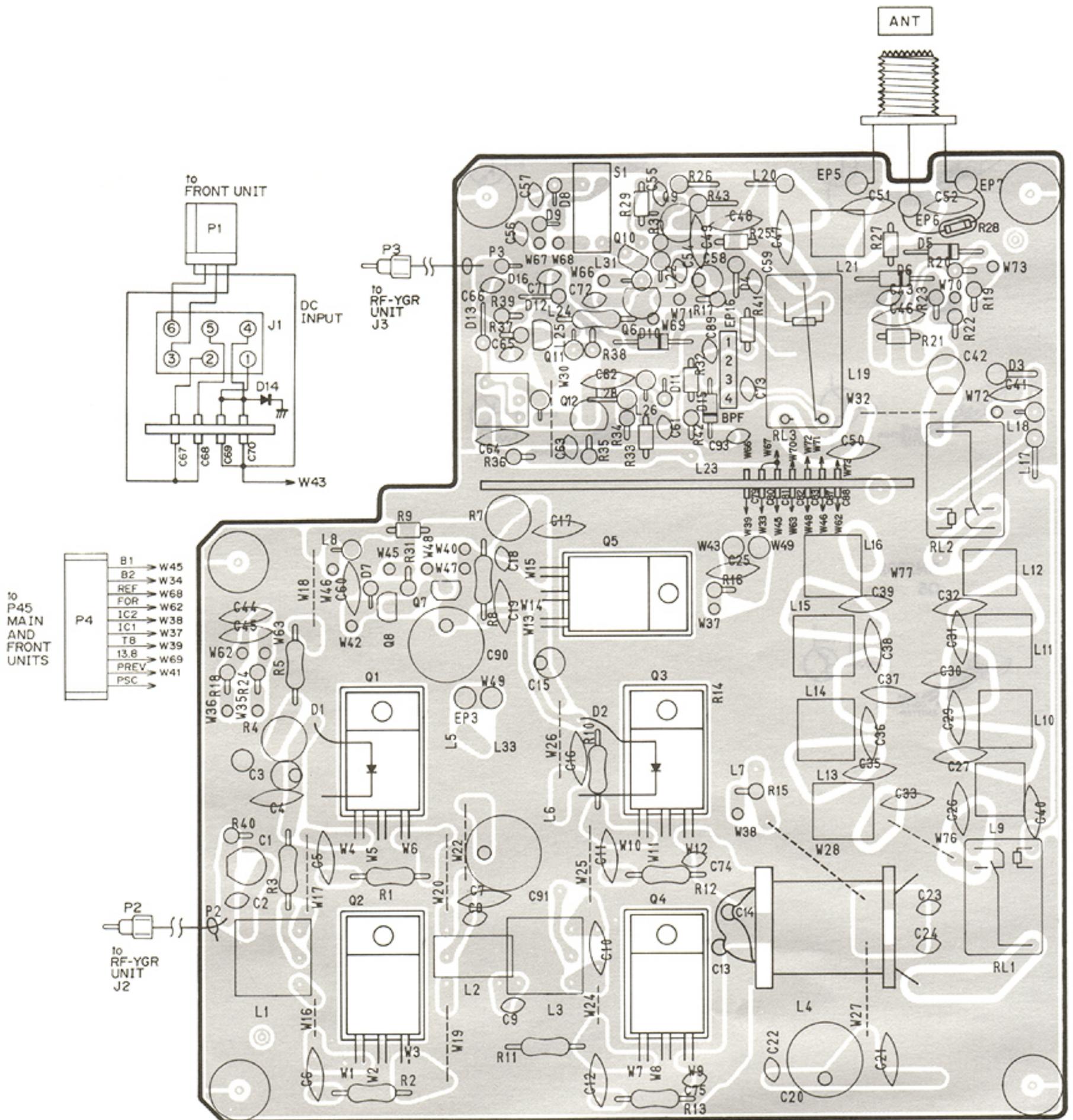
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Q8



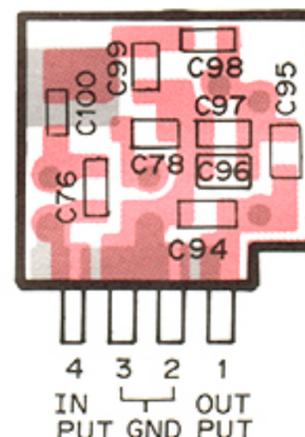
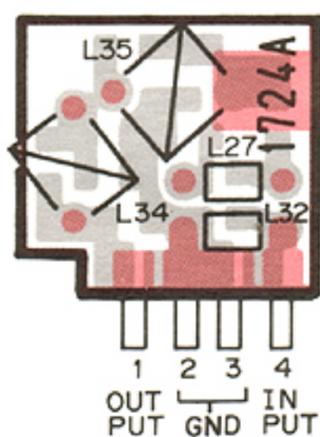
RN2202
Q7, Q11



• PA UNIT (IC-575A)

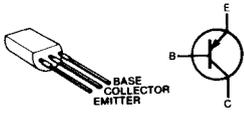


• BPF BOARD

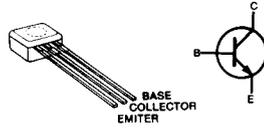


3-9 CTRL UNIT (IC-575H ONLY)

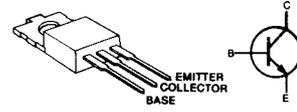
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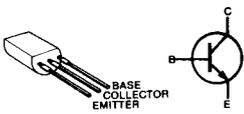
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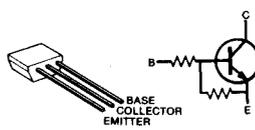
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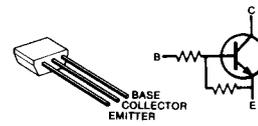
2SD468 C
Q1



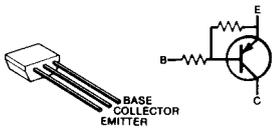
RN1202
Q6



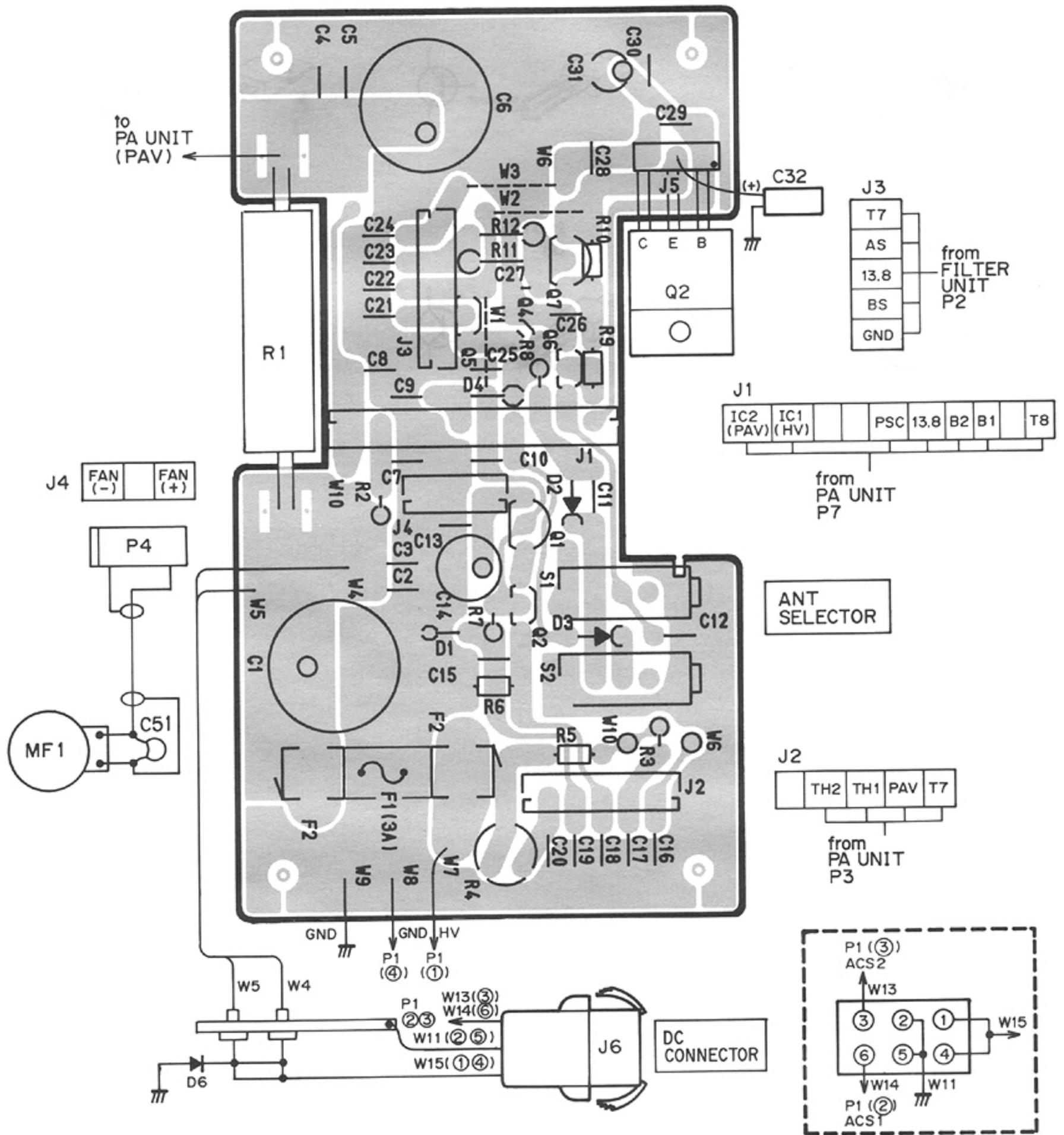
RN1204
Q4



RN2202
Q5

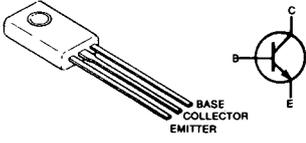


• CTRL UNIT (IC-575H ONLY)

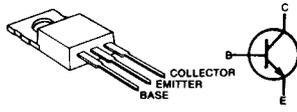


3-10 PA UNIT (IC-575H ONLY)

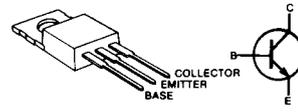
2SC1449
Q5



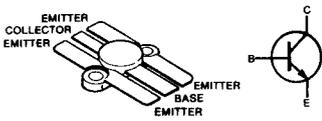
2SC1971
Q1, Q2



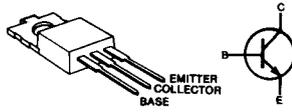
2SC1972
Q3, Q4



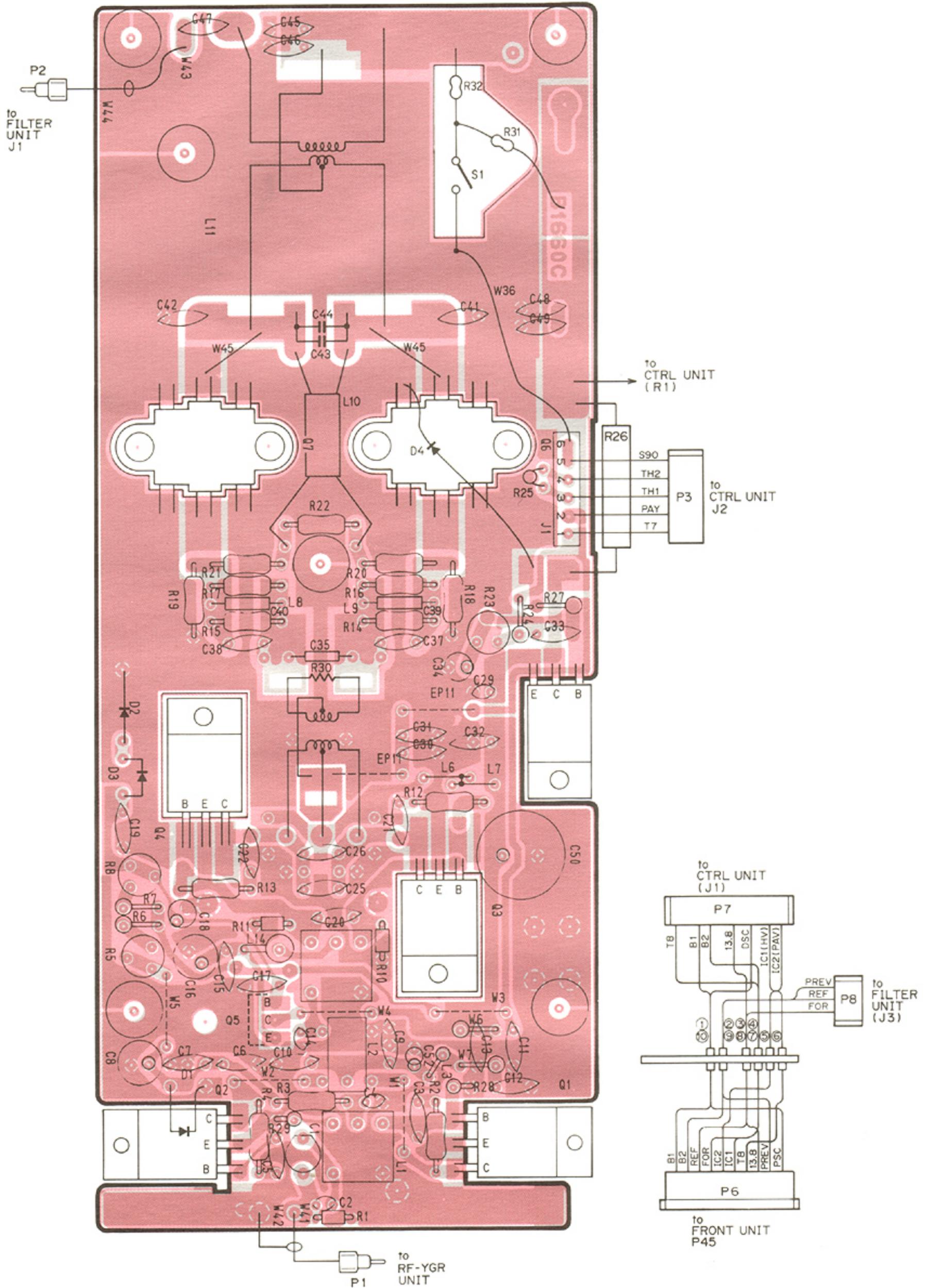
2SC2782
Q6, Q7



2SD1406
Q8

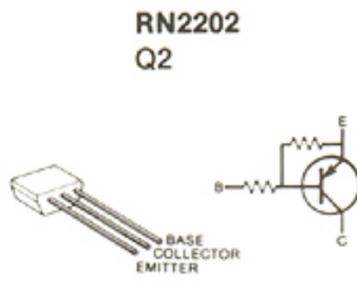
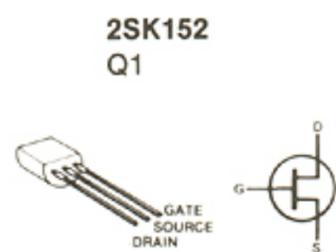
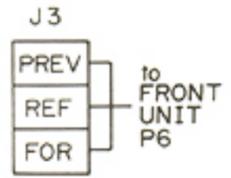
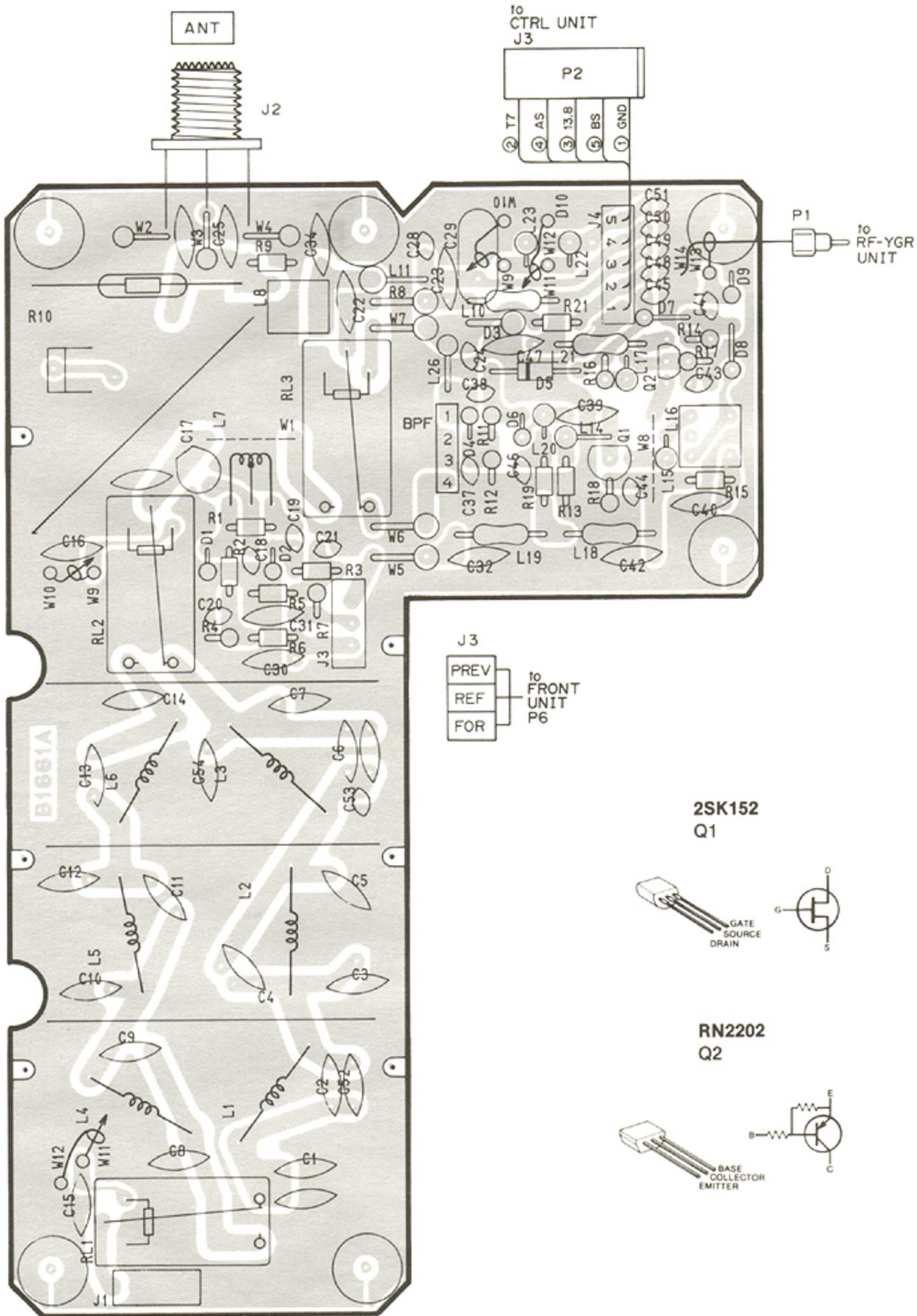


• PA UNIT (IC-575H ONLY)

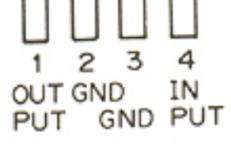
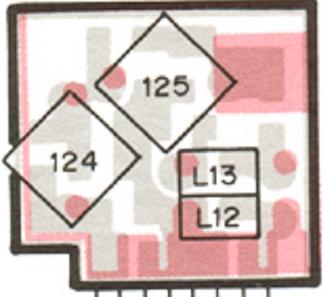


FOIL SIDE
COMPONENT SIDE

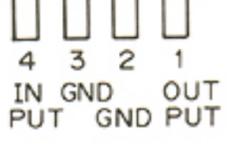
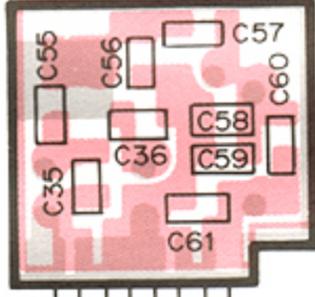
3-11 FILTER UNIT (IC-575H ONLY)



• BPF BOARD

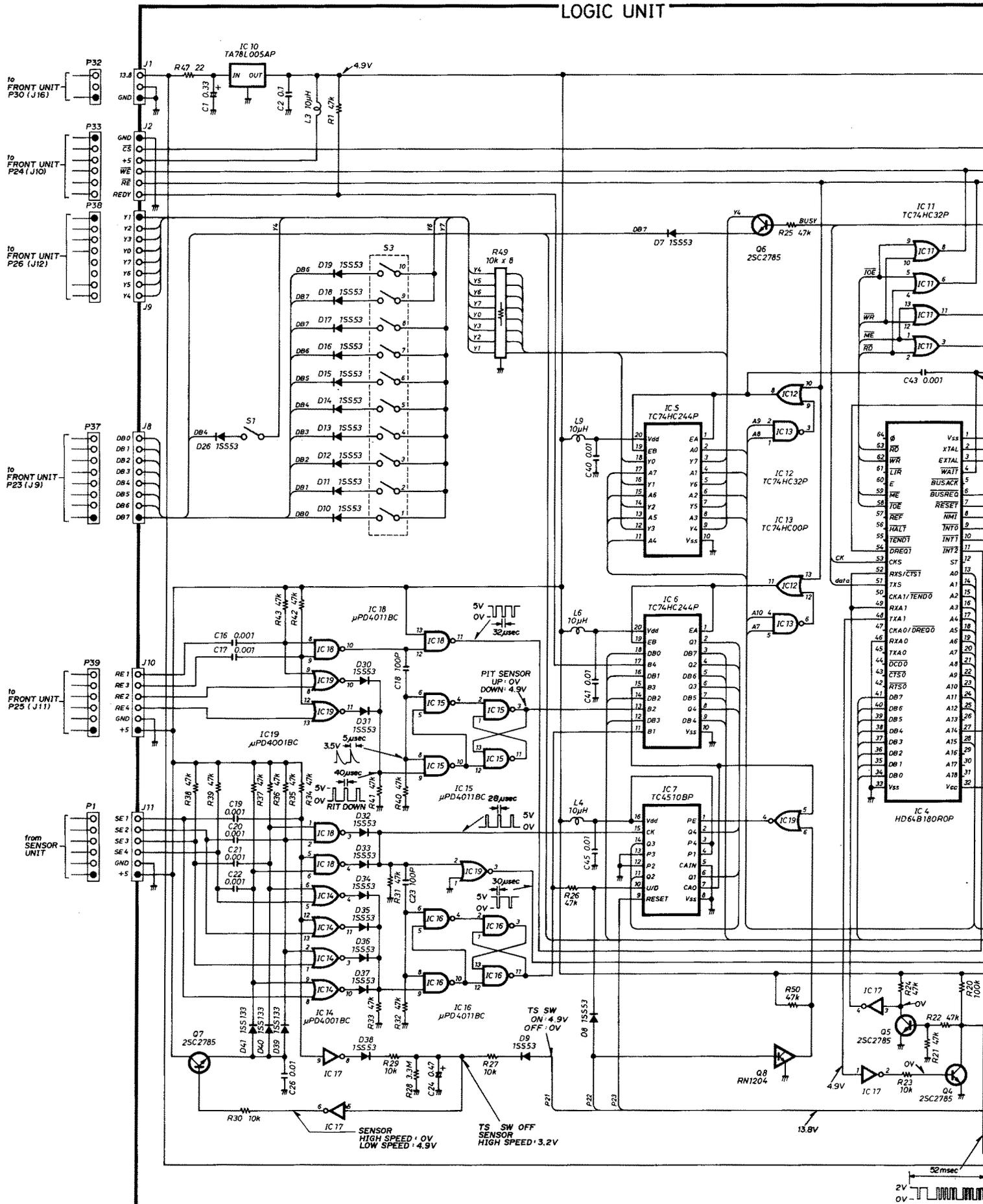


FOIL SIDE
COMPONENT SIDE

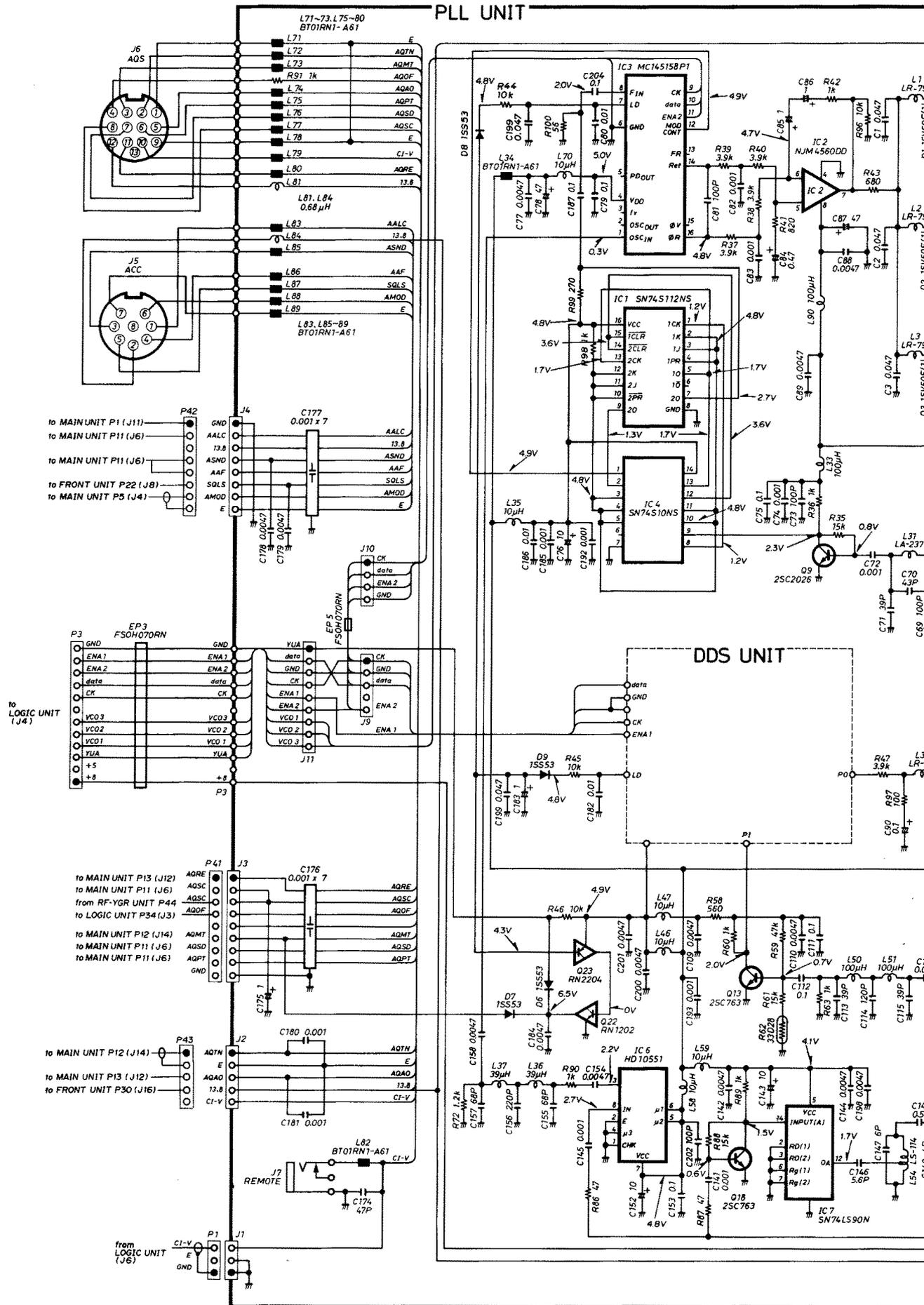


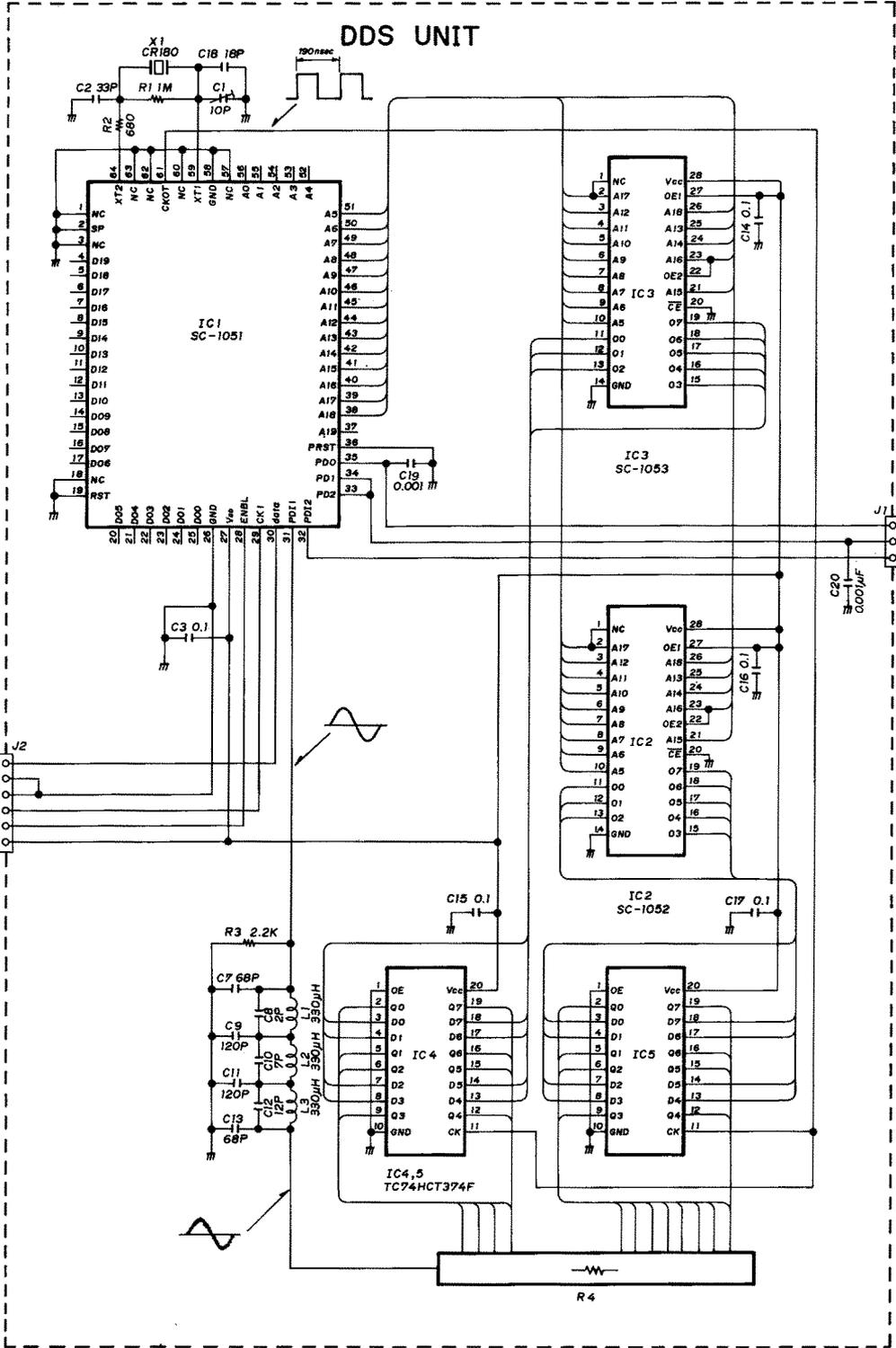
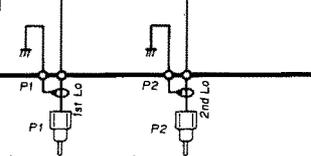
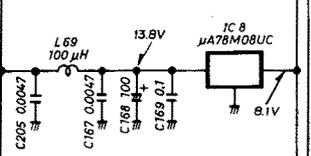
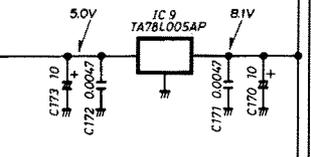
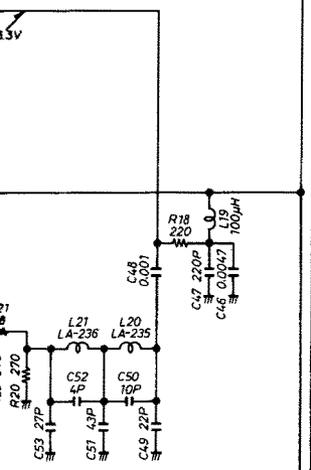
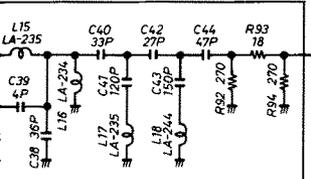
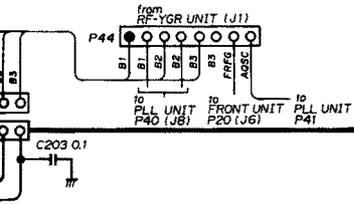
FOIL SIDE
COMPONENT SIDE

4-2 LOGIC UNIT

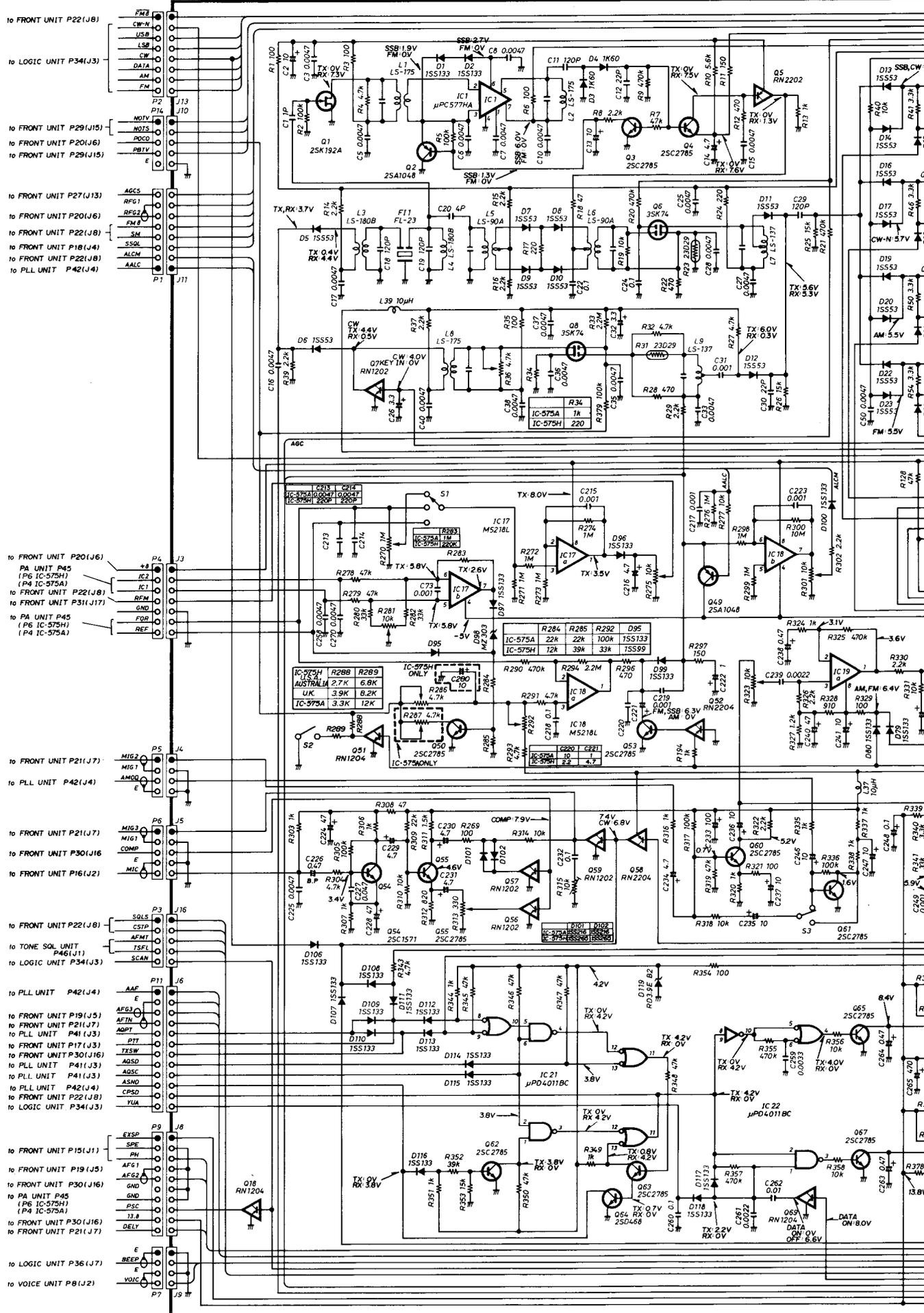


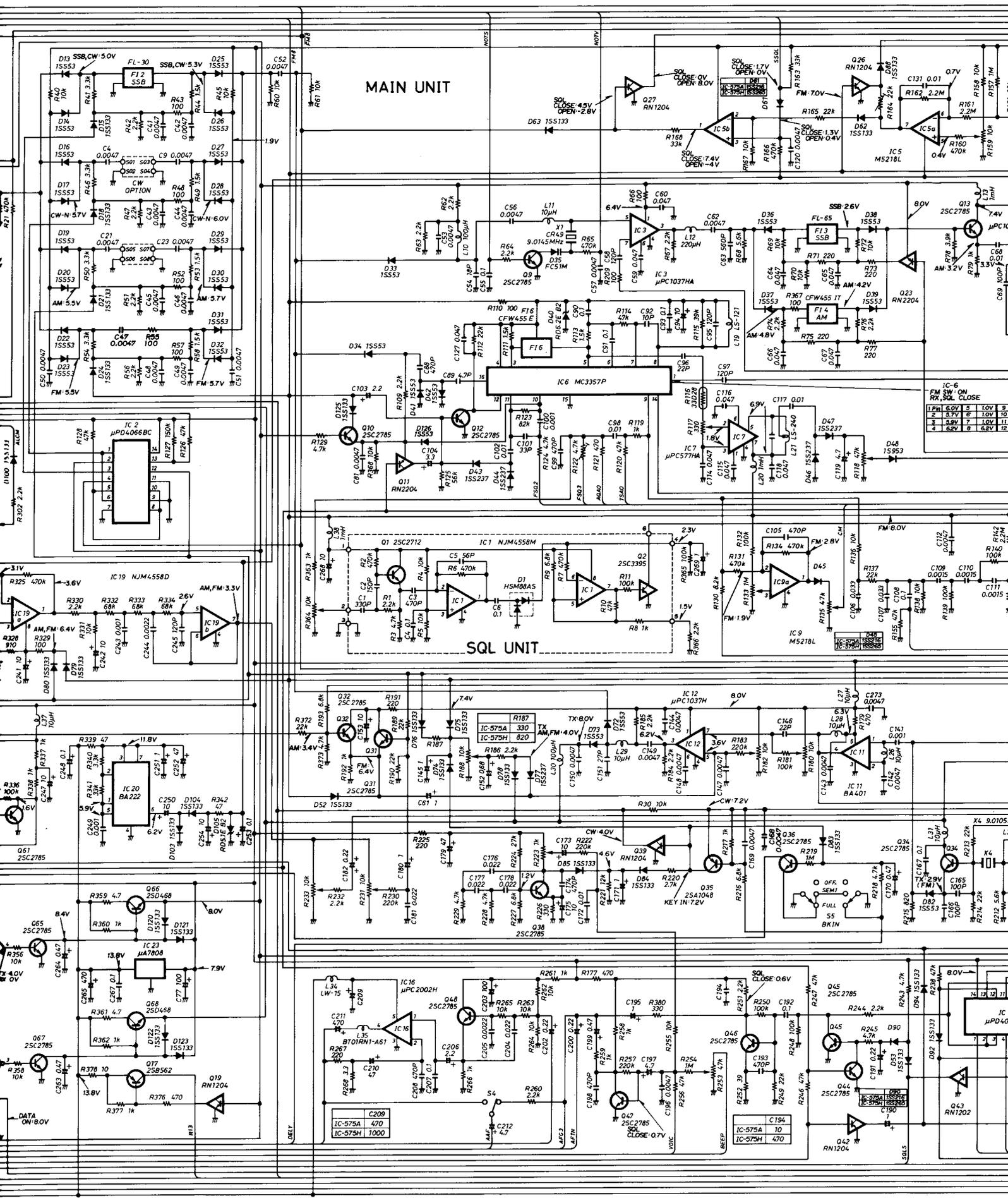
4-3 PLL AND DDS UNITS

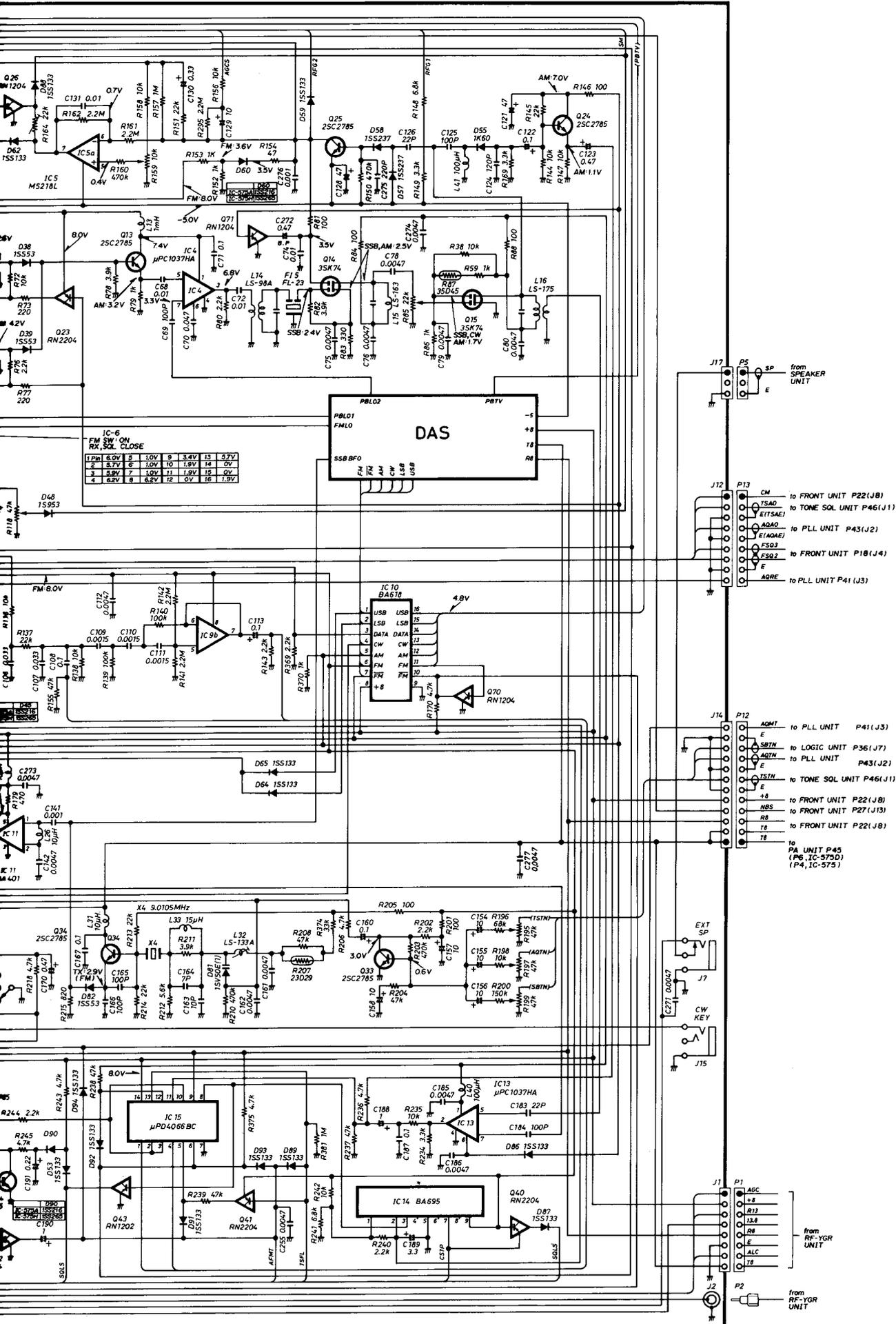




4-4 MAIN AND SQUELCH UNITS

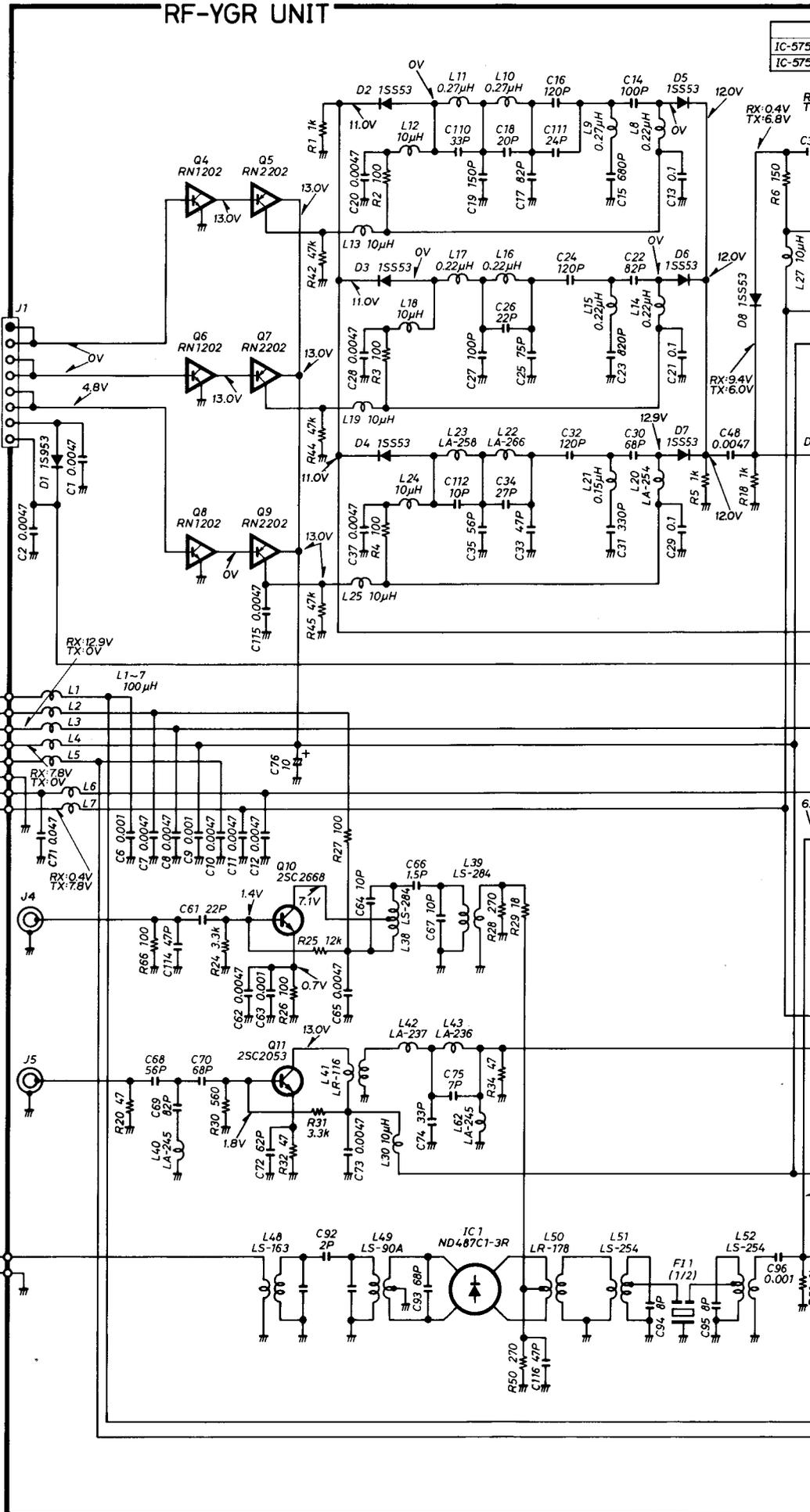


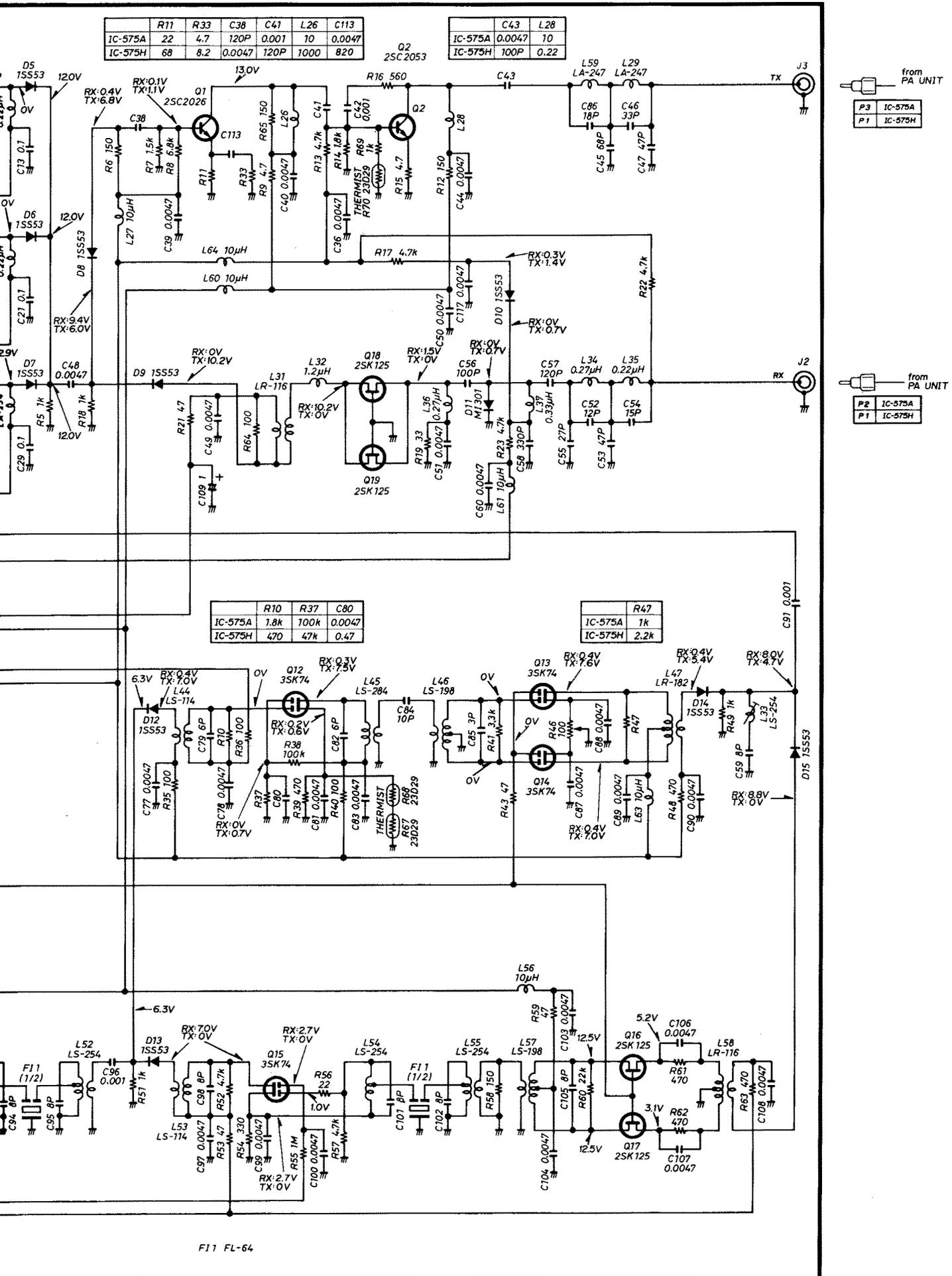




4-5 RF-YGR UNIT

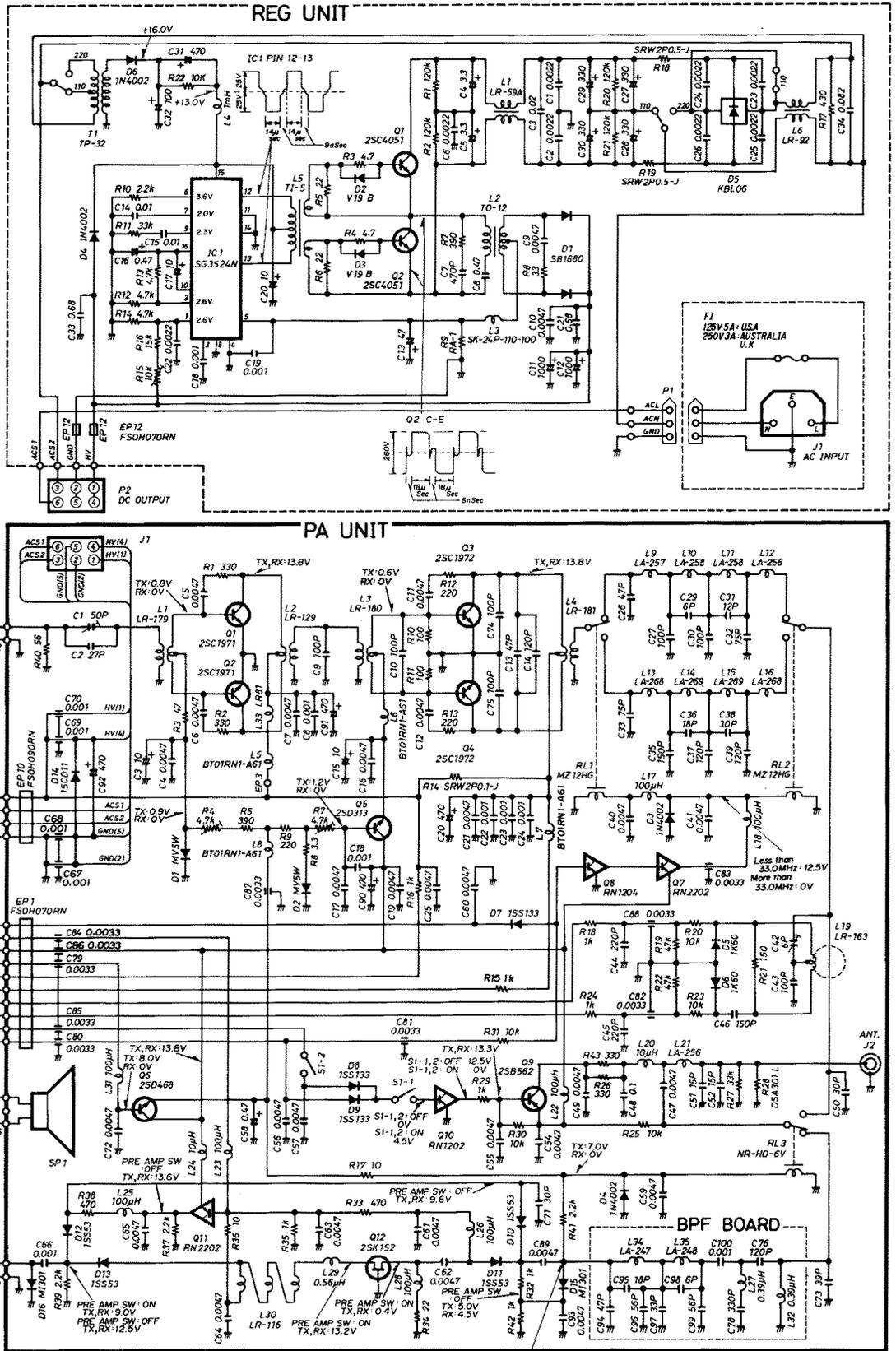
- to PLL UNIT P40 (J8) B1
- to PA UNIT P45 (P6 IC-575H) (P4 IC-575A) B2
- to PLL UNIT P40 (J8) B3
- to PA UNIT P45 (P6 IC-575H) (P4 IC-575A) B3
- to PLL UNIT P40 (J8) FRFG
- to FRONT UNIT P20 (J6) AQSC
- to PLL UNIT P41 (J3)



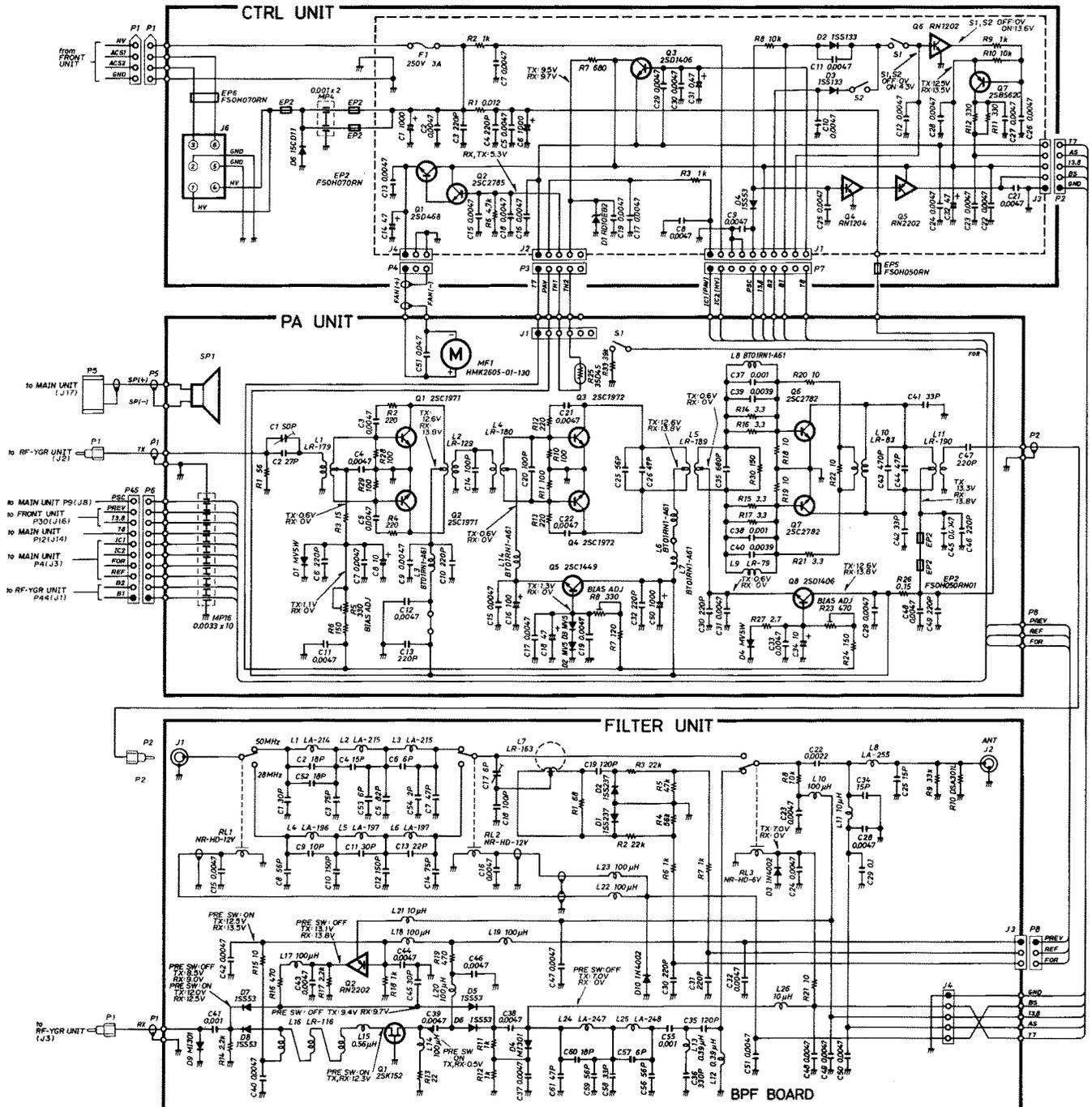


F11 FL-64

4-6 REG AND PA UNITS (IC-575A ONLY)



4-7 CTRL, PA AND FILTER UNITS (IC-575H ONLY)



SECTION 5 PARTS LIST

[EF PARTS]

REF. NO.	DESCRIPTION	PART NO.
P1	Connector	EHR-12
P2	Connector	EHR-06
P3	Connector	EHR-05
P4	Connector	EHR-07
P5	Connector	EHR-04
P6	Connector	EHR-05
P7	Connector	EHR-04
P8	Connector	EHR-03
P9	Connector	EHR-13
P11	Connector	EHR-09
P12	Connector	EHR-11
P13	Connector	EHR-09
P14	Connector	EHR-03
P15	Connector	EHR-03
P16	Connector	EHR-03
P17	Connector	EHR-03
P18	Connector	EHR-07
P19	Connector	EHR-04
P20	Connector	EHR-07
P21	Connector	EHR-07
P22	Connector	EHR-12
P23	Connector	EHR-08
P24	Connector	EHR-06
P25	Connector	EHR-06
P26	Connector	EHR-06
P27	Connector	EHR-05
P28	Connector	EHR-03
P29	Connector	EHR-04
P30	Connector	EHR-10
P31	Connector	EHR-03
P32	Connector	EHR-03
P33	Connector	EHR-06
P34	Connector	EHR-10
P36	Connector	EHR-07
P37	Connector	EHR-08
P38	Connector	EHR-08
P39	Connector	EHR-06
P40	Connector	EHR-03
P41	Connector	EHR-09
P42	Connector	EHR-08
P43	Connector	EHR-05
P44	Connector	EHR-04
P45	Connector	SMP-10V-B
P46	Connector	EHR-06
P47	Connector	EHR-05

[FRONT UNIT]

REF. NO.	DESCRIPTION	PART NO.
Q10	Transistor	RN1204
Q11	Transistor	2SC2785 EF
D1	Diode	1SS53
D2	Diode	1SS53
D3	Zener	RD8.2E B2
D4	Diode	1SS53
D5	Diode	1SS53
D6	Diode	1SS53
D7	Diode	1SS53
D8	Diode	1SS53
D9	Diode	1SS53
D10	Diode	1SS53
D11	Diode	1SS53
D12	Diode	1SS53
D13	Diode	1SS53
D14	Diode	1SS53
D15	Diode	1SS53
D17	Diode	1SS53
D18	Diode	1SS53
D19	Diode	1SS53
D20	Diode	1SS53
D21	Diode	1SS53
D23	Diode	1SS53
D24	Diode	1SS53
D26	Diode	1SS53
D28	Diode	1SS53
D29	Diode	1SS53
D32	Diode	1SS53
D33	Diode	1SS53
D34	Diode	1SS133
D35	Diode	1SS133
D36	Diode	1SS53
D37	Diode	1SS53
D39	Diode	1SS53
D40	Diode	1SS53
D41	Diode	1SS53
D42	Diode	1SS53
D43	Diode	1SS53
D44	Diode	1SS53
D46	Diode	1SS53
D47	Diode	1SS216
L1	Coil	BT01RN1-A61
L2	Coil	BT01RN1-A61
R1	Resistor	47 k Ω R20
R2	Resistor	47 k Ω R20
R3	Resistor	100 Ω R50X
R4	Resistor	100 Ω R50X
R5	Resistor	5.6 k Ω ELR20
R6	Resistor	1 k Ω R20
R7	Resistor	1 k Ω ELR20
R9	Variable Resistor	10 k Ω B RK0971110
R10	Resistor	1 k Ω R20
R11	Variable Resistor	10 k Ω B RK0971110D04A
R12	Resistor	220 k Ω R20
R13	Variable Resistor	10 k Ω B/1 k Ω B RK097121T004A
R14	Resistor	10 k Ω R20
R15	Resistor	3.3 k Ω R20
R16	Variable Resistor	10 k Ω B RK097111T005A
R17	Variable Resistor	10 k Ω B \times 2/10 k Ω A RK1242320009A
R18	Trimmer	4.7 k Ω RH0651CS3J2KA
R19	Resistor	470 Ω R20
R20	Variable Resistor	10 k Ω A RK097111T004A

[FRONT UNIT]

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	μ PD4066BC
IC2	IC	μ PD4011BC
IC3	IC	HD61602
Q1	Transistor	2SB562
Q2	Transistor	2SC2785 EF
Q3	Transistor	2SC2785 EF
Q4	Transistor	2SC2785 EF
Q5	Transistor	2SA1048 Y
Q6	Transistor	2SC2785 EF
Q7	Transistor	2SA1048 Y
Q8	Transistor	2SC2785 EF

[FRONT UNIT]

REF. NO.	DESCRIPTION	PART NO.
R21	Variable Resistor	1 MΩ B RK097111T003A
R22	Resistor	47 kΩ R20
R23	Variable Resistor	10 kΩ B RK097111T005A
R24	Resistor	100 Ω ELR20
R25	Resistor	100 Ω ELR20
R26	Resistor	330 kΩ R20
R27	Resistor	10 kΩ R20
R28	Resistor	10 kΩ R20
R29	Resistor	47 kΩ R20
R30	Resistor	2.2 kΩ R20
R31	Resistor	4.7 kΩ R20
R32	Resistor	47 kΩ R20
R33	Resistor	47 kΩ R20
R34	Resistor	47 kΩ R20
R35	Resistor	100 kΩ ELR20
R36	Resistor	120 kΩ ELR20
R37	Resistor	560 kΩ ELR20
R38	Resistor	2.2 MΩ ELR20
R39	Resistor	100 kΩ ELR20
R40	Resistor	120 kΩ ELR20
R41	Resistor	560 kΩ ELR20
R42	Resistor	2.2 MΩ ELR20
R43	Resistor	1 kΩ R20
R44	Resistor	1 kΩ R20
R45	Resistor	47 kΩ ELR20
R46	Resistor	47 kΩ ELR20
R47	Resistor	47 kΩ ELR20
R49	Resistor	47 kΩ ELR20
R50	Resistor	4.7 kΩ R20
C1	Ceramic	0.001 μF 50 V
C2	Ceramic	0.001 μF 50 V
C3	Ceramic	0.001 μF 50 V
C4	Ceramic	0.001 μF 50 V
C5	Ceramic	0.001 μF 50 V
C6	Ceramic	0.001 μF 50 V
C7	Ceramic	0.001 μF 50 V
C8	Electrolytic	2.2 μF 50 V MS5
C9	Ceramic	0.001 μF 50 V
C10	Ceramic	0.001 μF 50 V
C11	Barrier Layer	0.01 μF 25 V
C12	Ceramic	0.0047 μF 50 V
C13	Tantalum	1 μF 35 V DN
C14	Tantalum	1 μF 35 V DN
C15	Tantalum	0.68 μF 35 V DN
C16	Ceramic	0.0047 μF 50 V
C17	Cylinder	0.001 μF μP050B 102K-NA
C18	Ceramic	0.0047 μF 50 V
J1	Connector	B03B-EH-S
J2	Connector	B03B-EH-S
J3	Connector	B03B-EH-S
J4	Connector	B07B-EH-S
J5	Connector	B04B-EH-S
J6	Connector	S07B-EH-S
J7	Connector	S07B-EH-S
J8	Connector	B13B-EH-S
J9	Connector	B08B-EH-S
J10	Connector	B06B-EH-S
J11	Connector	B06B-EH-S
J12	Connector	B06B-EH-S
J13	Connector	B05B-EH-S
J14	Connector	B03B-EH-S
J15	Connector	B04B-EH-S
J16	Connector	B10B-EH-S
J17	Connector	B03B-EH-S
J18	Connector	HLJ4815-01-030
J19	Connector	FM214-8SS (P)
P1	Connector	1490P-1

[FRONT UNIT]

REF. NO.	DESCRIPTION	PART NO.
DS1	LCD	LP246CH-A
DS2	LED	SLP-175B-50
DS3	LED	SLP-275B-50
DS4	Lamp	HRS-7219A-Y2 30
DS5	Lamp	HRS-7219A-Y2 30
DS6	Lamp	HRS-7219A-Y2 30
DS7	Lamp	HRS-7219A-Y2 30
ME1	Meter	M504
S1	Switch	SPPH23079A (S·RF/C·ALC)
S2	Switch	SDDSA3159A (POWER)
S3	Switch	SPPH23079A (NOTCH)
S4	Switch	SPPH23079A (XMIT)
S5	Switch	SPPH23079A (NB)
S6	Switch	SPPH23079A (PREAMP)
S7	Switch	SPPH23079A (COMP)
S8	Switch	SPPH23079A (AGC)
S10	Switch	SPPH23078A (BAND)
S11	Switch	SPPH15060A (VFO)
S12	Switch	SPPH23078A (MEMO)
S13	Switch	SPPH23078A (A=B)
S14	Switch	SPPH23078A (MW)
S15	Switch	SPPH23078A (M▶VFO)
S16	Switch	SPPH23078A (M-CL)
S17	Switch	SPPH23078A (SPLIT)
S18	Switch	SPPH23078A (RIT ON/OFF)
S19	Switch	SPPH23078A (RIT-CL)
S20	Switch	SPPH23078A (SCAN)
S21	Switch	SPPH23078A (SKIP)
S22	Switch	SPPH15060A (CHECK)
S23	Switch	SPPH23078A (SPCH)
S24	Switch	SPPH15060A (T-SQL)
S25	Switch	SRBM1L011A (MEMO CH)
S26	Switch	SPPH23078A (CW/N)
S27	Switch	SPPH23078A (FM)
S28	Switch	SPPH23078A (SSB)
S29	Switch	SPPH23078A (AM)
S30	Switch	SPPH23078A (DATA)
S31	Switch	SPPH15060A (SET)
S32	Switch	SPPH15060A (DUP)
S33	Switch	SPPH15060A (TONE)
S34	Switch	SPPH23079A (LOCK)
S35	Switch	SPPH23079A (MODE-S)
S36	Switch	SPPH15061A (MHZ)
S37	Switch	SPPH15061A (TS)
S38	Rotary Switch	EC24B50B0002A (RIT)
EP1	P.C. Board	B-1188D (FRONT)
EP2	P.C. Board	B-1189A (SW-A)
EP3	P.C. Board	B-1190 (SW-B)
EP4	P.C. Board	B-1031A (MIC)
EP5	P.C. Board	B-1227B (VR-A)
EP6	P.C. Board	B-1245A (VR-B)
W6	Jumper	JPW-02A
W7	Jumper	JPW-02A
W8	Jumper	JPW-02A
W9	Jumper	JPW-02A
W10	Jumper	JPW-02A

[SENSOR UNIT]

REF. NO.	DESCRIPTION	PART NO.
Q1	Photo	IS-433
Q2	Photo	IS-433
Q3	Transistor	RN1204
Q4	Transistor	RN1204
R1	Resistor	220 Ω ELR20
C1	Barrier Layer	0.01 μF 25 V UAT06W 103K
P1	Connector	EHR-06
DS1	LED	GL-430
DS2	LED	GL-430
EP1	P.C. Board	B-1016C

[LOGIC UNIT]

REF. NO.	DESCRIPTION	PART NO.
D13	Diode	1SS53
D14	Diode	1SS53
D15	Diode	1SS53
D16	Diode	1SS53
D17	Diode	1SS53
D18	Diode	1SS53
D19	Diode	1SS53
D26	Diode	1SS53
D27	Diode	1SS53
D30	Diode	1SS53
D31	Diode	1SS53
D32	Diode	1SS53
D33	Diode	1SS53
D34	Diode	1SS53
D35	Diode	1SS53
D36	Diode	1SS53
D37	Diode	1SS53
D38	Diode	1SS53
D39	Diode	1SS133
D40	Diode	1SS133
D41	Diode	1SS133
D42	Diode	1SS53
X1	Crystal	RF-4A3 FAA
X2	Crystal	RF-4A3 FAF (9.2708 MHz)
L1	Coil	LAL03NA 100K 10μ
L2	Coil	LAL03NA 100K 10μ
L3	Coil	LAL03NA 100K 10μ
L4	Coil	LAL03NA 100K 10μ
L5	Coil	LAL03NA 100K 10μ
L6	Coil	LAL03NA 100K 10μ
L7	Coil	LAL03NA 100K 10μ
L8	Coil	LAL03NA 100K 10μ
L9	Coil	LAL03NA 100K 10μ
L10	Coil	LAL03NA 100K 10μ
L11	Coil	LAL03NA 100K 10μ
L12	Coil	LAL03NA 100K 10μ
R1	Resistor	47 kΩ R20
R2	Resistor	100 Ω ELR20
R3	Resistor	47 kΩ ELR20
R4	Resistor	2.2 kΩ ELR20
R5	Resistor	5.6 kΩ ELR20
R6	Resistor	2.7 kΩ ELR20
R7	Resistor	2.7 kΩ ELR20
R8	Resistor	1 MΩ ELR20
R9	Resistor	10 kΩ ELR20
R10	Resistor	5.6 kΩ ELR20
R11	Resistor	1 kΩ R20
R12	Resistor	10 kΩ R20
R13	Resistor	4.7 kΩ R20
R14	Resistor	1.5 kΩ R20
R15	Resistor	270 Ω R20
R16	Resistor	47 kΩ R20
R17	Resistor	100 kΩ ELR20
R18	Resistor	1 MΩ R20
R19	Resistor	1 MΩ ELR20
R20	Resistor	100 kΩ ELR20
R21	Resistor	47 kΩ R20
R22	Resistor	47 kΩ ELR20
R23	Resistor	10 kΩ R20
R24	Resistor	47 kΩ ELR20
R25	Resistor	47 kΩ ELR20
R26	Resistor	47 kΩ R20
R27	Resistor	10 kΩ R20
R28	Resistor	3.3 MΩ R25
R29	Resistor	10 kΩ R20
R30	Resistor	10 kΩ ELR20
R31	Resistor	47 kΩ R20
R32	Resistor	47 kΩ R20
R33	Resistor	47 kΩ R20

[LOGIC UNIT]

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	μPD71055C
IC2	IC	HM6116LP3L
IC3	IC	SC-1089
IC4	IC	HD64B180ROP
IC5	IC	TC74HC244P
IC6	IC	TC74HC244P
IC7	IC	TC4510BP
IC8	IC	S-7116A
IC9	IC	μPD4094BC
IC10	IC	TA78L005AP
IC11	IC	TC74HC32P
IC12	IC	TC74HC32P
IC13	IC	TC74HC00P
IC14	IC	μPD4001BC
IC15	IC	μPD4011BC
IC16	IC	μPD4011BC
IC17	IC	TC74HC04P
IC18	IC	μPD4011BC
IC19	IC	μPD4001BC
Q1	Transistor	2SC2785 EF
Q2	Transistor	2SC2785 EF
Q3	Transistor	2SC2785 EF
Q4	Transistor	2SC2785 EF
Q5	Transistor	2SC2785 EF
Q6	Transistor	2SC2785 EF
Q7	Transistor	2SC2785 EF
Q8	Transistor	RN1204
D1	Diode	1SS53
D2	Diode	1S953
D3	Diode	1S953
D4	Diode	1S953
D5	Zener	RD5.1E B2
D6	Zener	RD3.0E B2
D7	Diode	1SS53
D8	Diode	1SS53
D9	Diode	1SS53
D10	Diode	1SS53
D11	Diode	1SS53
D12	Diode	1SS53

[LOGIC UNIT]

REF. NO.	DESCRIPTION	PART NO.		
R34	Resistor	47 k Ω	R20	
R35	Resistor	47 k Ω	R20	
R36	Resistor	47 k Ω	R20	
R37	Resistor	47 k Ω	R20	
R38	Resistor	47 k Ω	R20	
R39	Resistor	47 k Ω	R20	
R40	Resistor	47 k Ω	ELR20	
R41	Resistor	47 k Ω	ELR20	
R42	Resistor	47 k Ω	ELR20	
R43	Resistor	47 k Ω	R20	
R44	Array	10 k Ω	RMX-8	
R46	Resistor	10 k Ω	ELR20	
R47	Resistor	22 Ω	R50X	
R48	Resistor	47 k Ω	ELR20	
R49	Array	10 k Ω	RMX-8	
R50	Resistor	47 k Ω	ELR20	
C1	Electrolytic	0.33 μ F	50 V	MS7
C2	Barrier Layer	0.1 μ F	16 V	
C3	Barrier Layer	0.1 μ F	16 V	
C4	Ceramic	22 pF	50 V	
C5	Ceramic	22 pF	50 V	
C6	Barrier Layer	0.0047 μ F	25 V	
C7	Barrier Layer	0.0047 μ F	25 V	
C8	Barrier Layer	0.0047 μ F	25 V	
C9	Ceramic	0.001 μ F	50 V	
C10	Ceramic	47 pF	50 V	
C11	Barrier Layer	0.01 μ F	25 V	
C12	Electrolytic	0.47 μ F	50 V	MS7
C13	Barrier Layer	0.01 μ F	25 V	
C14	Ceramic	30 pF	50 V	
C15	Ceramic	30 pF	50 V	
C16	Ceramic	0.001 μ F	50 V	
C17	Ceramic	0.001 μ F	50 V	
C18	Ceramic	100 pF	50 V	
C19	Ceramic	0.001 μ F	50 V	
C20	Ceramic	0.001 μ F	50 V	
C21	Ceramic	0.001 μ F	50 V	
C22	Ceramic	0.001 μ F	50 V	
C23	Ceramic	100 pF	50 V	
C24	Electrolytic	0.47 μ F	50 V	MS7
C25	Electrolytic	47 μ F	16 V	MS7
C26	Barrier Layer	0.01 μ F	25 V	
C27	Ceramic	DD106 F	103Z 50 V	
C28	Cylinder	0.01 μ F	TP125X 103M	
C29	Barrier Layer	0.01 μ F	25 V	
C30	Barrier Layer	0.01 μ F	25 V	
C31	Ceramic	DD106 F	103Z 50 V	
C32	Ceramic	DD106 F	103Z 50 V	
C33	Barrier Layer	0.01 μ F	25 V	
C34	Tantalum	1 μ F	16 V	DA
C35	Ceramic	DD106 F	103Z 50 V	
C37	Tantalum	1 μ F	16 V	DA
C38	Tantalum	1 μ F	16 V	DA
C39	Tantalum	1 μ F	16 V	DA
C40	Ceramic	DD106 F	103Z 50 V	
C41	Ceramic	DD106 F	103Z 50 V	
C42	Barrier Layer	0.01 μ F	25 V	
C43	Ceramic	0.001 μ F	50 V	
C44	Barrier Layer	0.01 μ F	25 V	
C45	Barrier Layer	0.01 μ F	25 V	
C46	Ceramic	470 pF	50 V	
C47	Ceramic	470 pF	50 V	
J1	Connector	B03B-EH-S		
J2	Connector	B06B-EH-S		
J3	Connector	B10B-EH-S		
J4	Connector	B12B-EH-S		
J5	Connector	TLB-P05H-B1		
J6	Connector	TLB-P02H-B1		
J7	Connector	B07B-EH-S		
J8	Connector	B08B-EH-S		
J9	Connector	B08B-EH-S		

[LOGIC UNIT]

REF. NO.	DESCRIPTION	PART NO.
J10	Connector	B06B-EH-S
J11	Connector	B06B-EH-S
P1	Connector	EHR-03
P2	Connector	EHR-05
S1	Switch	SSSS31124A
S3	Switch	SCS-10A
BT1	Lithium Battery	BR2032-1T2
EP1	P.C. Board	B-1626B
EP2	Ferrite Bead	FSQH070RN
W3	Jumper	JPW-02A
W4	Jumper	JPW-02A

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	SN74S112NS
IC2	IC	NJM4560DD
IC3	IC	MC145158P1
IC4	IC	SN74S10NS
IC5	IC	ND487C1-3R
IC6	IC	HD10551
IC7	IC	SN74LS90N
IC8	IC	μ A78M08UC
IC9	IC	TA78L005AP
Q1	FET	2SK192A GR
Q2	FET	2SK192A GR
Q3	FET	2SK192A GR
Q4	Transistor	2SC2668 O
Q5	Transistor	2SC2026
Q6	FET	2SK125
Q7	Transistor	2SC3355
Q9	Transistor	2SC2026
Q10	FET	2SK192A GR
Q11	Transistor	2SC2668 O
Q12	Transistor	2SC2668 O
Q13	Transistor	2SC763 C
Q14	FET	3SK74 M
Q15	Transistor	2SC2668 O
Q16	Transistor	2SC2668 O
Q17	Transistor	2SC2668 O
Q18	Transistor	2SC763 C
Q19	Transistor	RN1202
Q20	Transistor	RN1202
Q21	Transistor	RN1202
Q22	Transistor	RN1202
Q23	Transistor	RN2204
D1	Varicap	1SV50E (1)
D2	Varicap	1SV50E (1)
D3	Varicap	1SV50E (1)
D4	Zener	RD5.1E B2
D5	Varicap	FC52M
D6	Diode	1SS53
D7	Diode	1SS53

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.
D8	Diode	1SS53
D9	Diode	1SS53
D10	Zener	RD5.1E B2
D11	Varicap	1SV50E (1)
X1	Crystal	CR21
L1	Coil	LR-79
L2	Coil	LR-79
L3	Coil	LR-79
L4	Coil	LB-135
L5	Coil	LB-135
L6	Coil	LB-215
L7	Coil	LW-25
L8	Coil	LW-25
L9	Coil	LW-25
L10	Coil	LR-192
L11	Coil	LAL03NA 100K 10 μ
L12	Coil	LW-25
L13	Coil	LA-235
L14	Coil	LA-243
L15	Coil	LA-235
L16	Coil	LA-234
L17	Coil	LA-235
L18	Coil	LA-244
L19	Coil	LAL02KR 101K 100 μ
L20	Coil	LA-235
L21	Coil	LA-236
L22	Coil	LR-116
L23	Coil	LR-116
L24	Coil	LA-247
L25	Coil	LA-248
L26	Coil	LAL03NA 1R0M 1 μ
L27	Coil	LAL03NA 1R0M 1 μ
L28	Coil	LA-247
L29	Coil	LA-247
L30	Coil	LA-247
L31	Coil	LA-237
L32	Coil	LAL03NA 101K 100 μ
L33	Coil	LAL03NA 101K 100 μ
L34	Coil	BT01RN1-A61
L35	Coil	LAL04NA 100K 10 μ
L36	Coil	LAL03NA 390K 39 μ
L37	Coil	LAL03NA 390K 39 μ
L38	Coil	LR-79
L39	Coil	LAL03NA 100K 10 μ
L40	Coil	LB-135
L41	Coil	LW-25
L42	Coil	LAL02KR 100K 10 μ
L43	Coil	LAL03NA 100K 10 μ
L44	Coil	LS-112
L45	Coil	LS-112
L46	Coil	LAL03NA 100K 10 μ
L47	Coil	LAL02KR 100K 10 μ
L48	Coil	LAL03NA 100K 10 μ
L49	Coil	LAL03NA 100K 10 μ
L50	Coil	LAL03NA 101K 100 μ
L51	Coil	LAL03NA 101K 100 μ
L52	Coil	LAL03NA 1R0M 1 μ
L53	Coil	LAL03NA 1R0M 1 μ
L54	Coil	LS-114
L55	Coil	LS-114
L56	Coil	LS-114
L58	Coil	LAL03NA 100K 10 μ
L59	Coil	LAL03NA 100K 10 μ
L60	Coil	LAL03NA R39M 0.39 μ
L61	Coil	LAL03NA R39M 0.39 μ
L62	Coil	LS-114
L63	Coil	LS-114
L64	Coil	LS-114
L65	Coil	LAL03NA 100K 10 μ
L66	Coil	BT01RN1-A61
L67	Coil	LW-19

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.
L68	Coil	LAL03NA 100K 10 μ
L69	Coil	LAL04NA 101K 100 μ
L70	Coil	LAL03NA 100K 10 μ
L71	Coil	BT01RN1-A61
L72	Coil	BT01RN1-A61
L73	Coil	BT01RN1-A61
L74	Coil	BT01RN1-A61
L75	Coil	BT01RN1-A61
L76	Coil	BT01RN1-A61
L77	Coil	BT01RN1-A61
L78	Coil	BT01RN1-A61
L79	Coil	BT01RN1-A61
L80	Coil	BT01RN1-A61
L81	Coil	LAL04NA R68M 0.68 μ
L82	Coil	BT01RN1-A61
L83	Coil	BT01RN1-A61
L84	Coil	LAL04NA R68M 0.68 μ
L85	Coil	BT01RN1-A61
L86	Coil	BT01RN1-A61
L87	Coil	BT01RN1-A61
L88	Coil	BT01RN1-A61
L89	Coil	BT01RN1-A61
L90	Coil	LAL03NA 101K 100 μ
L91	Coil	LS-94
R1	Resistor	100 k Ω ELR20
R2	Resistor	100 k Ω ELR20
R3	Resistor	100 Ω R20
R4	Resistor	100 k Ω ELR20
R5	Resistor	100 k Ω ELR20
R6	Resistor	100 Ω R20
R7	Resistor	100 k Ω ELR20
R8	Resistor	100 k Ω ELR20
R9	Resistor	100 Ω R20
R10	Resistor	5.6 k Ω R20
R11	Resistor	1.2 k Ω ELR20
R12	Resistor	150 Ω ELR20
R13	Resistor	47 Ω ELR20
R14	Resistor	100 Ω ELR20
R15	Resistor	4.7 k Ω ELR20
R16	Resistor	680 Ω ELR20
R17	Resistor	47 Ω R20
R18	Resistor	220 Ω ELR20
R19	Resistor	47 Ω ELR20
R20	Resistor	270 Ω ELR20
R21	Resistor	18 Ω R20
R22	Resistor	270 Ω ELR20
R23	Resistor	18 Ω R20
R24	Resistor	270 Ω ELR20
R25	Resistor	270 Ω ELR20
R26	Resistor	18 Ω R20
R27	Resistor	270 Ω ELR20
R28	Resistor	270 Ω ELR20
R29	Resistor	4.7 k Ω R20
R30	Resistor	1.5 k Ω R20
R31	Resistor	560 Ω ELR20
R32	Resistor	8.2 Ω ELR20
R33	Resistor	47 Ω R20
R34	Resistor	470 Ω ELR20
R35	Resistor	15 k Ω R20
R36	Resistor	1 k Ω R20
R37	Resistor	3.9 k Ω ELR20
R38	Resistor	3.9 k Ω R20
R39	Resistor	3.9 k Ω ELR20
R40	Resistor	3.9 k Ω R20
R41	Resistor	820 Ω ELR20
R42	Resistor	1 k Ω ELR20
R43	Resistor	680 Ω R20
R44	Resistor	10 k Ω ELR20
R45	Resistor	10 k Ω ELR20
R46	Resistor	10 k Ω ELR20
R47	Resistor	3.9 k Ω R20
R48	Resistor	100 k Ω ELR20
R49	Resistor	100 k Ω ELR20

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.	
R50	Resistor	150 Ω	ELR20
R51	Resistor	5.6 kΩ	ELR20
R52	Resistor	1.2 kΩ	ELR20
R53	Resistor	150 Ω	ELR20
R54	Resistor	56 Ω	ELR20
R55	Resistor	220 Ω	ELR20
R56	Resistor	10 kΩ	ELR20
R57	Resistor	22 kΩ	ELR20
R58	Resistor	560 Ω	ELR20
R59	Resistor	47 kΩ	ELR20
R60	Resistor	1 kΩ	ELR20
R61	Resistor	15 kΩ	ELR20
R62	Thermistor	33D28	
R63	Resistor	1 kΩ	ELR20
R64	Resistor	270 Ω	ELR20
R65	Resistor	1 kΩ	ELR20
R66	Resistor	1 kΩ	ELR20
R67	Resistor	1 kΩ	ELR20
R68	Resistor	4.7 kΩ	ELR20
R69	Resistor	22 kΩ	R20
R70	Resistor	150 Ω	ELR20
R71	Resistor	100 Ω	ELR20
R72	Resistor	1.2 kΩ	ELR20
R73	Resistor	18 Ω	R20
R74	Resistor	270 Ω	ELR20
R75	Resistor	270 Ω	ELR20
R76	Resistor	220 Ω	ELR20
R77	Resistor	100 Ω	R20
R78	Resistor	22 kΩ	ELR20
R79	Resistor	10 kΩ	R20
R80	Resistor	100 Ω	R20
R81	Resistor	47 Ω	ELR20
R82	Resistor	470 Ω	ELR20
R83	Resistor	4.7 kΩ	R20
R84	Resistor	10 kΩ	ELR20
R85	Resistor	220 Ω	ELR20
R86	Resistor	47 Ω	ELR20
R87	Resistor	47 Ω	R20
R88	Resistor	15 kΩ	ELR20
R89	Resistor	1 kΩ	ELR20
R90	Resistor	1 kΩ	ELR20
R91	Resistor	1 kΩ	ELR20
R92	Resistor	270 Ω	ELR20
R93	Resistor	18 Ω	ELR20
R94	Resistor	270 Ω	ELR20
R95	Resistor	100 Ω	R20
R96	Resistor	10 kΩ	R20
R97	Resistor	100 Ω	ELR20
R98	Resistor	1 kΩ	MCR10
R99	Resistor	270 Ω	MCR10
R100	Resistor	56 Ω	MCR10
C1	Barrier Layer	0.047 μF	25 V
C2	Barrier Layer	0.047 μF	25 V
C3	Barrier Layer	0.047 μF	25 V
C4	Ceramic	56 pF	50 V PH
C5	Ceramic	5 pF	50 V CH
C6	Trimmer	6 pF	CV38B0601
C7	Ceramic	39 pF	50 V CH
C8	Ceramic	4 pF	50 V CH
C9	Ceramic	3 pF	50 V CJ
C10	Ceramic	0.0047 μF	50 V
C11	Ceramic	1 pF	50 V CK
C12	Ceramic	4 pF	50 V CH
C13	Trimmer	6 pF	CV38B0601
C14	Ceramic	68 pF	50 V CH
C15	Ceramic	4 pF	50 V CH
C16	Ceramic	4 pF	50 V CH
C17	Ceramic	0.0047 μF	50 V
C18	Ceramic	1 pF	50 V CK
C19	Ceramic	0.001 μF	50 V
C20	Ceramic	0.001 μF	50 V
C21	Ceramic	47 pF	50 V PH
C22	Ceramic	3 pF	50 V CJ

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.	
C23	Trimmer	6 pF	CV38B0601
C24	Ceramic	47 pF	50 V CH
C25	Ceramic	3 pF	50 V CJ
C26	Ceramic	3 pF	50 V CJ
C27	Ceramic	0.0047 μF	50 V
C28	Ceramic	1 pF	50 V CK
C29	Ceramic	0.001 μF	50 V
C30	Barrier Layer	0.0047 μF	25 V
C31	Cylinder	5.6 pF	UP125SL 5R6K-NA
C32	Barrier Layer	0.0047 μF	25 V
C33	Cylinder	0.001 μF	UP050B 102K-NA
C34	Ceramic	36 pF	50 V
C35	Ceramic	75 pF	50 V
C36	Ceramic	10 pF	50 V
C37	Ceramic	56 pF	50 V
C38	Ceramic	36 pF	50 V
C39	Ceramic	4 pF	50 V
C40	Ceramic	33 pF	50 V
C41	Ceramic	120 pF	50 V
C42	Ceramic	27 pF	50 V
C43	Ceramic	150 pF	50 V
C44	Ceramic	47 pF	50 V
C45	Ceramic	22 pF	50 V
C46	Barrier Layer	0.0047 μF	25 V
C47	Ceramic	220 pF	50 V
C48	Cylinder	0.001 μF	UP050B 102K-NA
C49	Ceramic	22 pF	50 V
C50	Ceramic	10 pF	50 V
C51	Ceramic	43 pF	50 V
C52	Ceramic	4 pF	50 V
C53	Ceramic	27 pF	50 V
C54	Ceramic	51 pF	50 V
C55	Ceramic	24 pF	50 V
C56	Ceramic	100 pF	50 V
C57	Ceramic	9 pF	50 V
C58	Ceramic	62 pF	50 V
C59	Cylinder	390 pF	UP050B 391K-NA
C60	Ceramic	0.001 μF	50 V
C61	Ceramic	200 pF	50 V
C62	Cylinder	0.0022 μF	EP050X 222M-NA
C63	Cylinder	330 pF	UP050B 331K-NA
C64	Barrier Layer	0.047 μF	25 V
C65	Barrier Layer	0.047 μF	25 V
C66	Ceramic	62 pF	50 V
C67	Ceramic	120 pF	50 V
C68	Ceramic	120 pF	50 V
C69	Ceramic	100 pF	50 V
C70	Ceramic	43 pF	50 V
C71	Ceramic	39 pF	50 V
C72	Cylinder	0.001 μF	UP050B 102K-NA
C73	Ceramic	100 pF	50 V
C74	Ceramic	0.001 μF	50 V
C75	Barrier Layer	0.1 μF	16 V
C76	Electrolytic	10 μF	16 V MS7
C77	Barrier Layer	0.0047 μF	25 V
C78	Electrolytic	47 μF	16 V SS
C79	Barrier Layer	0.1 μF	16 V
C80	Barrier Layer	0.01 μF	25 V
C81	Ceramic	100 pF	50 V
C82	Ceramic	0.001 μF	50 V
C83	Ceramic	0.001 μF	50 V
C84	Electrolytic	0.47 μF	50 V BP
C85	Tantalum	1 μF	35 V DN
C86	Tantalum	1 μF	35 V DN
C87	Electrolytic	47 μF	16 V SS
C88	Ceramic	0.0047 μF	50 V
C89	Ceramic	0.0047 μF	50 V
C90	Tantalum	0.1 μF	35 V DN
C91	Ceramic	10 pF	50 V PH
C92	Ceramic	33 pF	50 V CH
C93	Trimmer	6 pF	CV05A0601
C94	Ceramic	47 pF	50 V CH
C95	Ceramic	22 pF	50 V CH
C96	Ceramic	8 pF	50 V CH
C97	Barrier Layer	0.0047 μF	25 V

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.		
C98	Electrolytic	10 μ F	16 V	MS7
C99	Ceramic	1 pF	50 V	CK
C100	Ceramic	0.0047 μ F	50 V	
C101	Ceramic	0.001 μ F	50 V	
C102	Ceramic	47 pF	50 V	
C103	Barrier Layer	0.0047 μ F	25 V	
C104	Barrier Layer	0.0047 μ F	25 V	
C105	Ceramic	22 pF	50 V	
C106	Ceramic	0.5 pF	50 V	
C107	Ceramic	22 pF	50 V	
C108	Barrier Layer	0.0047 μ F	25 V	
C109	Barrier Layer	0.0047 μ F	25 V	
C110	Barrier Layer	0.0047 μ F	25 V	
C111	Barrier Layer	0.1 μ F	16 V	
C112	Barrier Layer	0.1 μ F	16 V	
C113	Ceramic	39 pF	50 V	
C114	Ceramic	120 pF	50 V	
C115	Ceramic	39 pF	50 V	
C116	Cylinder	0.001 μ F	UP050B	102K-NA
C117	Barrier Layer	0.0047 μ F	25 V	
C118	Barrier Layer	0.1 μ F	16 V	
C119	Barrier Layer	0.0047 μ F	25 V	
C120	Ceramic	0.0047 μ F	50 V	
C121	Ceramic	4 pF	50 V	
C122	Barrier Layer	0.35 pF	50 V	
C123	Ceramic	6 pF	50 V	
C124	Ceramic	1 pF	50 V	
C125	Ceramic	3 pF	50 V	
C126	Barrier Layer	0.0047 μ F	25 V	
C127	Barrier Layer	0.0047 μ F	25 V	
C128	Ceramic	0.001 μ F	50 V	
C129	Ceramic	8 pF	50 V	TH
C130	Ceramic	1 pF	50 V	CK
C131	Ceramic	8 pF	50 V	TH
C132	Ceramic	1 pF	50 V	CK
C133	Ceramic	8 pF	50 V	TH
C134	Barrier Layer	0.0047 μ F	25 V	
C135	Ceramic	0.0047 μ F	50 V	
C136	Ceramic	220 pF	50 V	
C137	Ceramic	10 pF	50 V	
C138	Ceramic	62 pF	50 V	
C139	Ceramic	120 pF	50 V	
C140	Ceramic	62 pF	50 V	
C141	Ceramic	0.001 μ F	50 V	
C142	Ceramic	0.0047 μ F	50 V	
C143	Electrolytic	10 μ F	16 V	MS7
C144	Ceramic	0.0047 μ F	50 V	
C145	Ceramic	0.001 μ F	50 V	
C146	Cylinder	5.6 pF	UP050SL	5R6K-NA
C147	Ceramic	6 pF	50 V	
C148	Ceramic	0.5 pF	50 V	
C149	Ceramic	4 pF	50 V	
C150	Ceramic	0.5 pF	50 V	
C151	Ceramic	4 pF	50 V	
C152	Electrolytic	10 μ F	16 V	MS7
C153	Barrier Layer	0.1 μ F	16 V	
C154	Barrier Layer	0.0047 μ F	25 V	
C155	Ceramic	68 pF	50 V	
C156	Ceramic	220 pF	50 V	
C157	Ceramic	68 pF	50 V	
C158	Cylinder	0.0047 μ F	UP050X	472N-NA
C159	Electrolytic	47 μ F	16 V	SS
C160	Ceramic	47 pF	50 V	UJ
C161	Ceramic	82 pF	50 V	CH
C162	Ceramic	0.0047 μ F	50 V	
C163	Ceramic	82 pF	50 V	TH
C164	Barrier Layer	0.0047 μ F	25 V	
C165	Barrier Layer	0.0047 μ F	25 V	
C166	Electrolytic	10 μ F	16 V	MS7
C167	Barrier Layer	0.0047 μ F	25 V	
C168	Electrolytic	100 μ F	16 V	
C169	Ceramic	0.1 μ F	D33Y5V1E104Z21	
C170	Electrolytic	10 μ F	16 V	MS7
C171	Barrier Layer	0.0047 μ F	25 V	
C172	Barrier Layer	0.0047 μ F	25 V	

[PLL UNIT]

REF. NO.	DESCRIPTION	PART NO.		
C173	Electrolytic	10 μ F	16 V	MS7
C174	Ceramic	47 pF	50 V	
C175	Tantalum	1 μ F	35 V	DN
C176	Array	0.001 μ F \times 7	B8XC0114-32N	
C177	Array	0.001 μ F \times 7	B8XC0114-32N	
C178	Barrier Layer	0.0047 μ F	25 V	
C179	Ceramic	0.0047 μ F	50 V	
C180	Ceramic	0.001 μ F	50 V	
C181	Ceramic	0.001 μ F	50 V	
C182	Barrier Layer	0.01 μ F	25 V	
C183	Electrolytic	1 μ F	50 V	MS7
C184	Barrier Layer	0.0047 μ F	25 V	
C185	Ceramic	0.001 μ F	GRM40	
C186	Ceramic	0.01 μ F	GRM40	
C187	Ceramic	0.1 μ F	GRM40 F	
C188	Barrier Layer	0.1 μ F	16 V	
C189	Electrolytic	100 μ F	10 V	SS
C190	Ceramic	0.0047 μ F	50 V	
C191	Array	0.01 μ F \times 4	B5RC0127-32N	
C192	Cylinder	0.001 μ F	UP050B	102K-NA
C193	Ceramic	0.001 μ F	GRM40	
C194	Barrier Layer	0.047 μ F	25 V	
C195	Ceramic	0.0047 μ F	50 V	
C196	Ceramic	0.0047 μ F	50 V	
C197	Ceramic	0.001 μ F	50 V	
C198	Barrier Layer	0.0047 μ F	25 V	
C199	Barrier Layer	0.047 μ F	25 V	
C200	Ceramic	0.0047 μ F	GRM40	
C201	Ceramic	0.0047 μ F	GRM40	
C202	Ceramic	100 pF	GRM40	
C203	Ceramic	0.1 μ F	GRM40 F	
C204	Ceramic	0.1 μ F	GRM40 F	
C205	Barrier Layer	0.0047 μ F	25 V	
J1	Connector	B03B-EH-S		
J2	Connector	B05B-EH-S		
J3	Connector	B09B-EH-S		
J4	Connector	B08B-EH-S		
J5	Connector	TCS4480-01-1111		
J6	Connector	TCS5037-01-401		
J7	Connector	HSJ0807-01-010		
J8	Connector	B03B-EH-S		
J9	Connector	TLB-P05H-B1		
J10	Connector	TLB-P04H-B1		
J11	Connector	TLB-P09H-B1		
J12	Connector	TLB-P04H-B1		
P1	Connector	TMP-P01X-A1		
P2	Connector	TMP-P01X-A1		
P3	Connector	EHR-12		
EP1	P.C. Board	B-1404B (PLL)		
EP2	P.C. Board	B-1515B (PRESCALER)		
EP3	Ferrite Bead	FSQH070RN		
EP5	Ferrite Bead	FSQH070RN		
W76	Jumper	JPW-02A		

[DDS UNIT]

REF. NO.	DESCRIPTION	PART NO.	
IC1	IC	SC-1051	
IC2	IC	SC-1052	
IC3	IC	SC-1053	
IC4	IC	TC74HCT374F	
IC5	IC	TC74HCT374F	
X1	Crystal	CR180	
L1	Coil	LQN5N331K	
L2	Coil	LQN5N331K	
L3	Coil	LQN5N331K	
R1	Resistor	1 M Ω	MCR10
R2	Resistor	680 Ω	MCR10
R3	Resistor	2.2 k Ω	MCR10
R4	Array	GF5096	
C1	Trimmer	10 pF	TZB04N100BA
C2	Ceramic	33 pF	GRM40 CH
C3	Ceramic	0.1 μ F	GRM40 F
C7	Ceramic	68 pF	GRM40
C8	Ceramic	2 pF	GRM40
C9	Ceramic	120 pF	GRM40
C10	Ceramic	7 pF	GRM40
C11	Ceramic	120 pF	GRM40
C12	Ceramic	12 pF	GRM40
C13	Ceramic	68 pF	GRM40
C14	Ceramic	0.1 μ F	GRM40 F
C15	Ceramic	0.1 μ F	GRM40 F
C16	Ceramic	0.1 μ F	GRM40 F
C17	Ceramic	0.1 μ F	GRM40 F
C18	Ceramic	18 pF	GRM40 UJ
C19	Ceramic	0.001 μ F	GRM40
C20	Ceramic	220 pF	GRM40
J1	Connector	3022-03A	
J2	Connector	3022-06A	
EP1	P.C. Board	B-1233C	

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
IC19	IC	NJM4558D	
IC20	IC	BA222	
IC21	IC	μ PD4011BC	
IC22	IC	μ PD4011BC	
IC23	IC	μ A7808 UC	
Q1	FET	2SK192A Y	
Q2	Transistor	2SA1048 Y/GR	
Q3	Transistor	2SC2785 EF	
Q4	Transistor	2SC2785 EF	
Q5	Transistor	RN2202	
Q6	FET	3SK74 M	
Q7	Transistor	RN1202	
Q8	FET	3SK74 M	
Q9	Transistor	2SC2785 EF	
Q10	Transistor	2SC2785 EF	
Q11	Transistor	RN2204	
Q12	Transistor	2SC2785 EF	
Q13	Transistor	2SC2785 EF	
Q14	FET	3SK74 M	
Q15	FET	3SK74 M	
Q16	Transistor	RN1204	
Q17	Transistor	2SB562 C	
Q18	Transistor	RN1204	
Q19	Transistor	RN1204	
Q20	Transistor	RN1204	
Q21	Transistor	2SC2785 EF	
Q22	Transistor	2SC2785 EF	
Q23	Transistor	RN2204	
Q24	Transistor	2SC2785 EF	
Q25	Transistor	2SC2785 EF	
Q26	Transistor	RN1204	
Q27	Transistor	RN1204	
Q28	Transistor	RN2204	
Q29	Transistor	RN1204	
Q30	Transistor	2SC2785 EF	
Q31	Transistor	2SC2785 EF	
Q32	Transistor	2SC2785 EF	
Q33	Transistor	2SC2785 EF	
Q34	Transistor	2SC2785 EF	
Q35	Transistor	2SA1048 Y	
Q36	Transistor	2SC2785 EF	
Q38	Transistor	2SC2785 EF	
Q39	Transistor	RN1204	
Q40	Transistor	RN2204	
Q41	Transistor	RN2204	
Q42	Transistor	RN1204	
Q43	Transistor	RN1202	
Q44	Transistor	2SC2785 EF	
Q45	Transistor	2SC2785 EF	
Q46	Transistor	2SC2785 EF	
Q47	Transistor	2SC2785 EF	
Q48	Transistor	2SC2785 EF	
Q49	Transistor	2SA1048 Y/GR	
Q50	Transistor	2SC2785 EF	
Q51	Transistor	RN1204	
Q52	Transistor	RN2204	
Q53	Transistor	2SC2785 EF	
Q54	Transistor	2SC1571 G	
Q55	Transistor	2SC2785 EF	
Q56	Transistor	RN1202	
Q57	Transistor	RN1202	
Q58	Transistor	RN2204	
Q59	Transistor	RN1202	
Q60	Transistor	2SC2785 EF	
Q61	Transistor	2SC2785 EF	
Q62	Transistor	2SC2785 EF	
Q63	Transistor	2SC2785 EF	
Q64	Transistor	2SD468 C	
Q65	Transistor	2SC2785 EF	
Q66	Transistor	2SD468 C	
Q67	Transistor	2SC2785 EF	
Q68	Transistor	2SD468 C	
Q69	Transistor	RN1204	

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
IC1	IC	μ PC577H A	
IC2	IC	μ PD4066BC	
IC3	IC	μ PC1037H A	
IC4	IC	μ PC1037H A	
IC5	IC	M5218L	
IC6	IC	MC3357P	
IC7	IC	μ PC577H A	
IC9	IC	M5218L	
IC10	IC	BA618	
IC11	IC	BA401	
IC12	IC	μ PC1037H A	
IC13	IC	μ PC1037H A	
IC14	IC	BA695	
IC15	IC	μ PD4066BC	
IC16	IC	μ PC2002H	
IC17	IC	M5218L	
IC18	IC	M5218L	

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
Q70	Transistor	RN1204
Q71	Transistor	RN1204
D1	Diode	1SS133
D2	Diode	1SS133
D3	Diode	1K60
D4	Diode	1K60
D5	Diode	1SS53
D6	Diode	1SS53
D7	Diode	1SS53
D8	Diode	1SS53
D9	Diode	1SS53
D10	Diode	1SS53
D11	Diode	1SS53
D12	Diode	1SS53
D13	Diode	1SS53
D14	Diode	1SS53
D15	Diode	1SS133
D16	Diode	1SS53
D17	Diode	1SS53
D18	Diode	1SS133
D19	Diode	1SS53
D20	Diode	1SS53
D21	Diode	1SS133
D22	Diode	1SS53
D23	Diode	1SS53
D24	Diode	1SS133
D25	Diode	1SS53
D26	Diode	1SS53
D27	Diode	1SS53
D28	Diode	1SS53
D29	Diode	1SS53
D30	Diode	1SS53
D31	Diode	1SS53
D32	Diode	1SS53
D33	Diode	1SS53
D34	Diode	1SS53
D35	Varicap	FC51M
D36	Diode	1SS53
D37	Diode	1SS53
D38	Diode	1SS53
D39	Diode	1SS53
D40	Zener	RD6.2E B2
D41	Diode	1SS53
D42	Diode	1SS53
D43	Diode	1SS237
D44	Diode	1SS237
D45	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D46	Diode	1SS237
D47	Diode	1SS237
D48	Diode	1S953
D49	Varicap	1SV149 C
D50	Varicap	1SV149 C
D51	Diode	1SS133
D52	Diode	1SS133
D53	Diode	1SS133
D54	Diode	1SS133
D55	Diode	1K60
D57	Diode	1SS237
D58	Diode	1SS237
D59	Diode	1SS133
D60	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D61	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D62	Diode	1SS133
D63	Diode	1SS133

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
D64	Diode	1SS133
D65	Diode	1SS133
D66	Diode	1SS133
D67	Diode	1SS53
D68	Diode	1SS53
D69	Diode	1SS53
D70	Diode	1SS53
D71	Diode	1SS53
D72	Diode	1SS53
D73	Diode	1SS53
D74	Diode	1SS133
D75	Diode	1SS133
D76	Diode	1SS133
D77	Diode	1SS237
D78	Diode	1SS133
D79	Diode	1SS133
D80	Diode	1SS133
D81	Varicap	1SV50E (1)
D82	Diode	1SS53
D83	Diode	1SS133
D84	Diode	1SS133
D85	Diode	1SS133
D86	Diode	1SS133
D87	Diode	1SS133
D88	Diode	1SS133
D89	Diode	1SS133
D90	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D91	Diode	1SS133
D92	Diode	1SS133
D93	Diode	1SS133
D94	Diode	1SS133
D95	Diode	1SS133
	(IC-575A)	
	Diode	1SS90
	(IC-575H)	
D96	Diode	1SS133
D97	Diode	1SS133
D98	Zener	MZ303 B
	(IC-575A only)	
D99	Diode	1SS133
D100	Diode	1SS133
D101	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D102	Diode	1SS216
	(IC-575A)	
	Diode	1SS265
	(IC-575H)	
D103	Diode	1SS133
D104	Diode	1SS133
D105	Zener	RD5.1E B2
D106	Diode	1SS133
D107	Diode	1SS133
D108	Diode	1SS133
D109	Diode	1SS133
D110	Diode	1SS133
D111	Diode	1SS133
D112	Diode	1SS133
D113	Diode	1SS133
D114	Diode	1SS133
D115	Diode	1SS133
D116	Diode	1SS133
D117	Diode	1SS133
D118	Diode	1SS133
D119	Zener	RD3.9E B2
D120	Diode	1SS133
D121	Diode	1SS133
D122	Diode	1SS133
D123	Diode	1SS133
D124	Diode	1SS133
D125	Diode	1SS133

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
D126	Diode	1SS53
F11	Monolithic	FL-23
F12	Monolithic	FL-30
F13	Ceramic	FL-65
F14	Ceramic	CFW455 IT
F15	Monolithic	FL-23
F16	Ceramic	CFW455 E
X1	Crystal	CR49 (9.0145 MHz)
X2	Crystal	CR1 (9.4665 MHz)
X3	Crystal	CR49 (9.0145 MHz)
X4	Crystal	HC12/U (9.0105 MHz)
L1	Coil	LS-175
L2	Coil	LS-175
L3	Coil	LS-180B
L4	Coil	LS-180B
L5	Coil	LS-90A
L6	Coil	LS-90A
L7	Coil	LS-137
L8	Coil	LS-175
L9	Coil	LS-137
L10	Coil	LAL03NA 101K 100 μ
L11	Coil	LAL03NA 100K 10 μ
L12	Coil	LAL03NA 221K 220 μ
L13	Coil	LAL03NA 102K 1000 μ
L14	Coil	LS-98A
L15	Coil	LS-163
L16	Coil	LS-175
L17	Coil	LS-282
L18	Coil	LAL03NA 101K 100 μ
L19	Coil	LS-121
L20	Coil	LAL03NA 102K 1000 μ
L21	Coil	LS-240
L22	Coil	LAL03NA R33M 0.33 μ
L23	Coil	LS-134
L24	Coil	LS-133A
L25	Coil	LAL03NA 101K 100 μ
L26	Coil	LAL03NA 100K 10 μ
L27	Coil	LAL03NA 100K 10 μ
L28	Coil	LAL03NA 100K 10 μ
L29	Coil	LAL03NA 100K 10 μ
L30	Coil	LAL03NA 101K 100 μ
L31	Coil	LAL03NA 100K 10 μ
L32	Coil	LS-133A
L33	Coil	LAL03NA 150K 15 μ
L34	Coil	LW-15
L35	Coil	BT01RN1-A61
L37	Coil	LAL03NA 100K 10 μ
L38	Coil	LAL03NA 102K 1000 μ
L39	Coil	LAL03NA 100K 10 μ
L40	Coil	LAL03NA 101K 100 μ
L41	Coil	LAL03NA 101K 100 μ
R1	Resistor	100 Ω ELR20
R2	Resistor	100 k Ω ELR20
R3	Resistor	100 Ω R20
R4	Resistor	4.7 k Ω ELR20
R5	Resistor	100 k Ω ELR20
R6	Resistor	100 Ω R20
R7	Resistor	47 k Ω ELR20
R8	Resistor	2.2 k Ω ELR20
R9	Resistor	470 k Ω ELR20
R10	Resistor	5.6 k Ω ELR20
R11	Resistor	150 Ω R20
R12	Resistor	470 Ω ELR20
R13	Resistor	1 k Ω ELR20
R14	Resistor	2.2 k Ω R20
R15	Resistor	2.2 k Ω R20
R16	Resistor	2.2 k Ω R20

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
R17	Resistor	220 Ω ELR20
R18	Resistor	47 Ω R20
R19	Resistor	10 k Ω ELR20
R20	Resistor	470 k Ω ELR20
R21	Resistor	470 k Ω R20
R22	Resistor	470 Ω ELR20
R23	Thermistor	23D29
R24	Resistor	220 Ω ELR20
R25	Resistor	15 k Ω R20
R26	Resistor	15 k Ω ELR20
R27	Resistor	4.7 k Ω R20
R28	Resistor	470 Ω ELR20
R29	Resistor	2.2 k Ω ELR20
R30	Resistor	10 k Ω R20
R31	Thermistor	23D29
R32	Resistor	4.7 k Ω ELR20
R33	Resistor	2.2 M Ω ELR20
R34	Resistor	1 k Ω ELR20
	(IC-575A)	
	Resistor	220 Ω ELR20
	(IC-575H)	
R35	Resistor	100 Ω R20
R36	Trimmer	4.7 k Ω RH0651CS3J2KA
R37	Resistor	2.2 k Ω ELR20
R38	Resistor	10 k Ω ELR25
R39	Resistor	2.2 k Ω R20
R40	Resistor	10 k Ω R20
R41	Resistor	3.3 k Ω R20
R42	Resistor	2.2 k Ω ELR20
R43	Resistor	100 Ω R25
R44	Resistor	1.5 k Ω R20
R45	Resistor	10 k Ω R25
R46	Resistor	3.3 k Ω R20
R47	Resistor	2.2 k Ω ELR20
R48	Resistor	100 Ω R25
R49	Resistor	1.5 k Ω R20
R50	Resistor	3.3 k Ω ELR20
R51	Resistor	2.2 k Ω ELR20
R52	Resistor	100 Ω R25
R53	Resistor	1.5 k Ω R20
R54	Resistor	3.3 k Ω ELR20
R55	Resistor	100 Ω R25
R56	Resistor	2.2 k Ω R20
R57	Resistor	100 Ω ELR20
R58	Resistor	1.5 k Ω ELR20
R59	Resistor	1 k Ω ELR20
R60	Resistor	10 k Ω ELR20
R61	Resistor	10 k Ω ELR20
R62	Resistor	2.2 k Ω ELR20
R63	Resistor	2.2 k Ω ELR20
R64	Resistor	2.2 k Ω ELR20
R65	Resistor	470 k Ω ELR20
R66	Resistor	100 Ω R25
R67	Resistor	2.2 k Ω ELR20
R68	Resistor	5.6 k Ω ELR20
R69	Resistor	10 k Ω ELR20
R70	Resistor	10 k Ω ELR20
R71	Resistor	220 Ω ELR20
R72	Resistor	10 k Ω ELR20
R73	Resistor	220 Ω ELR20
R74	Resistor	2.2 k Ω ELR20
R75	Resistor	220 Ω ELR20
R76	Resistor	2.2 k Ω ELR20
R77	Resistor	220 Ω ELR20
R78	Resistor	3.9 k Ω ELR20
R79	Resistor	1 k Ω ELR20
R80	Resistor	2.2 k Ω ELR20
R81	Resistor	100 Ω ELR20
R82	Resistor	3.9 k Ω ELR20
R83	Resistor	330 Ω ELR20
R84	Resistor	100 Ω ELR20
R85	Trimmer	22 k Ω RH0651CJ4J01A
R86	Resistor	1 k Ω ELR20
R87	Thermistor	35D45
R88	Resistor	100 Ω ELR20

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
R89	Resistor	15 kΩ R20
R90	Trimmer	10 kΩ RH0651C14J2WA
R91	Resistor	22 kΩ ELR20
R92	Resistor	22 kΩ ELR20
R93	Trimmer	10 kΩ RH0651C14J2WA
R94	Resistor	10 kΩ R20
R95	Trimmer	100 kΩ RH0651C15J1UA
R96	Resistor	10 kΩ ELR20
R97	Resistor	220 kΩ ELR20
R98	Resistor	6.8 kΩ ELR20
R99	Resistor	10 kΩ ELR20
R100	Resistor	220 kΩ R20
R101	Resistor	10 kΩ ELR20
R102	Resistor	22 kΩ ELR20
R103	Resistor	1.5 kΩ R20
R104	Resistor	100 Ω R20
R105	Resistor	4.7 kΩ R20
R106	Resistor	10 kΩ ELR20
R107	Resistor	1 kΩ ELR20
R108	Resistor	100 Ω ELR20
R109	Resistor	2.2 kΩ ELR20
R110	Resistor	100 Ω R20
R111	Resistor	1.5 kΩ R20
R112	Resistor	22 kΩ R25
R113	Resistor	1.5 kΩ ELR20
R114	Resistor	47 kΩ ELR20
R115	Resistor	39 kΩ ELR20
R116	Thermistor	33D28
R117	Trimmer	330 Ω RH0651CN2J02A
R118	Trimmer	47 kΩ RH0651CS4J25A
R119	Resistor	1 kΩ ELR20
R120	Resistor	47 kΩ ELR20
R121	Resistor	470 Ω ELR20
R122	Trimmer	4.7 kΩ RH0651CS3J2KA
R123	Resistor	82 kΩ ELR20
R124	Resistor	4.7 kΩ ELR20
R125	Resistor	56 kΩ ELR20
R126	Resistor	47 kΩ R20
R127	Resistor	150 kΩ ELR20
R128	Resistor	47 kΩ R20
R129	Resistor	4.7 kΩ ELR20
R130	Resistor	8.2 Ω ELR20
R131	Resistor	470 kΩ ELR20
R132	Resistor	100 kΩ ELR20
R133	Trimmer	1 MΩ RH0651C16J0RA
R134	Resistor	470 kΩ ELR20
R135	Trimmer	47 kΩ RH0651CS4J25A
R136	Resistor	10 kΩ ELR20
R137	Resistor	22 kΩ R20
R138	Resistor	10 kΩ ELR20
R139	Resistor	100 kΩ ELR20
R140	Resistor	100 kΩ ELR20
R141	Resistor	2.2 MΩ ELR20
R142	Resistor	2.2 MΩ ELR20
R143	Resistor	2.2 kΩ ELR20
R144	Resistor	10 kΩ ELR20
R145	Resistor	22 kΩ ELR20
R146	Resistor	100 Ω ELR20
R147	Resistor	10 kΩ ELR20
R148	Resistor	6.8 kΩ ELR20
R149	Resistor	3.3 kΩ ELR20
R150	Resistor	470 kΩ ELR20
R151	Resistor	22 kΩ ELR20
R152	Resistor	1 kΩ ELR20
R153	Resistor	1 kΩ ELR20
R154	Resistor	47 Ω ELR20
R155	Resistor	47 kΩ R20
R156	Resistor	10 kΩ R20
R157	Resistor	1 MΩ ELR20
R158	Resistor	10 kΩ ELR20
R159	Trimmer	10 kΩ RH0651C14J2WA
R160	Resistor	470 kΩ R20
R161	Resistor	2.2 MΩ R20
R162	Resistor	2.2 MΩ ELR20
R163	Resistor	33 kΩ ELR20

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
R164	Trimmer	22 kΩ RH0651CJ4J01A
R165	Resistor	22 kΩ ELR20
R166	Resistor	470 kΩ ELR20
R167	Resistor	10 kΩ R20
R168	Resistor	33 kΩ R20
R169	Resistor	3.3 kΩ ELR20
R170	Resistor	4.7 kΩ R20
R171	Resistor	2.2 kΩ ELR20
R172	Resistor	2.7 kΩ ELR20
R173	Resistor	2.2 kΩ R20
R174	Resistor	2.2 kΩ R20
R175	Resistor	4.7 kΩ R20
R176	Resistor	100 Ω ELR20
R177	Resistor	470 Ω ELR20
R178	Resistor	3.9 kΩ R20
R179	Resistor	470 Ω ELR20
R180	Trimmer	10 kΩ RH0651C14J2WA
R181	Resistor	100 kΩ ELR20
R182	Trimmer	10 kΩ RH0651C14J2WA
R183	Resistor	220 kΩ R20
R184	Resistor	2.2 kΩ ELR20
R185	Resistor	2.2 kΩ ELR20
R186	Resistor	2.2 kΩ R25
R187	Resistor (IC-575A)	330 Ω ELR20
	Resistor (IC-575H)	820 Ω ELR20
R188	Trimmer	10 kΩ RH0651C14J2WA
R189	Resistor	22 kΩ ELR20
R190	Resistor	22 kΩ ELR20
R191	Resistor	220 Ω R20
R192	Resistor	1 kΩ ELR20
R193	Resistor	6.8 kΩ ELR20
R194	Resistor	1 kΩ ELR20
R195	Trimmer	47 kΩ RH0651CS4J25A
R196	Resistor	68 kΩ ELR20
R197	Trimmer	47 kΩ RH0651CS4J25A
R198	Resistor	10 kΩ ELR20
R199	Trimmer	47 kΩ RH0651CS4J25A
R200	Resistor	150 kΩ ELR20
R201	Resistor	100 Ω R20
R202	Resistor	2.2 kΩ ELR20
R203	Resistor	470 kΩ ELR20
R204	Resistor	47 kΩ ELR20
R205	Resistor	100 Ω ELR20
R206	Resistor	4.7 kΩ ELR20
R207	Thermistor	23D29
R208	Resistor	47 kΩ ELR20
R209	Resistor	100 Ω R25
R210	Resistor	470 kΩ ELR20
R211	Resistor	3.9 kΩ ELR20
R212	Resistor	5.6 kΩ ELR20
R213	Resistor	22 kΩ ELR20
R214	Resistor	22 kΩ ELR20
R215	Resistor	820 Ω R20
R216	Resistor	6.8 kΩ ELR20
R217	Resistor	1 kΩ ELR20
R218	Resistor	4.7 kΩ ELR20
R219	Resistor	1 MΩ ELR20
R220	Resistor	2.7 kΩ ELR20
R221	Resistor	12 kΩ ELR20
R222	Resistor	220 kΩ R20
R223	Trimmer	1 kΩ RH0652C13J08A
R224	Resistor	27 kΩ R20
R225	Resistor	220 Ω R20
R226	Resistor	330 Ω ELR20
R227	Resistor	6.8 kΩ ELR20
R228	Resistor	4.7 kΩ ELR20
R229	Resistor	4.7 kΩ ELR20
R230	Resistor	220 kΩ ELR20
R231	Trimmer	10 kΩ RH0651C14J2WA
R232	Resistor	2.2 kΩ R20
R233	Trimmer	10 kΩ RH0651C14J2WA
R234	Resistor	3.3 kΩ ELR20
R235	Resistor	10 kΩ R20

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
R236	Resistor	4.7 kΩ	R20
R237	Resistor	47 kΩ	ELR20
R238	Resistor	47 kΩ	R20
R239	Resistor	47 kΩ	R20
R240	Resistor	2.2 kΩ	ELR20
R241	Resistor	6.8 kΩ	ELR20
R242	Resistor	10 kΩ	ELR20
R243	Resistor	4.7 kΩ	R20
R244	Resistor	2.2 kΩ	ELR20
R245	Resistor	4.7 kΩ	R20
R246	Resistor	47 kΩ	ELR20
R247	Resistor	47 kΩ	R20
R248	Resistor	100 kΩ	ELR20
R249	Resistor	22 kΩ	ELR20
R250	Resistor	100 kΩ	ELR20
R251	Resistor	2.2 kΩ	ELR20
R252	Resistor	39 Ω	ELR20
R253	Trimmer	47 kΩ	RH0651CS4J25A
R254	Resistor	1 MΩ	ELR20
R255	Resistor	10 kΩ	R20
R256	Resistor	47 kΩ	ELR20
R257	Resistor	220 kΩ	ELR20
R258	Resistor	1 kΩ	R20
R259	Resistor	1 kΩ	ELR20
R260	Resistor	2.2 kΩ	ELR20
R261	Resistor	1 kΩ	R25
R262	Resistor	10 kΩ	ELR20
R263	Resistor	10 kΩ	R20
R264	Resistor	10 kΩ	ELR20
R265	Resistor	10 kΩ	ELR20
R266	Resistor	1 kΩ	ELR20
R267	Resistor	220 Ω	ELR20
R268	Resistor	3.3 Ω	ELR20
R269	Resistor	100 Ω	R20
R270	Trimmer	1 MΩ	RH0651C16J0RA
R271	Resistor	1 MΩ	ELR20
R272	Resistor	1 MΩ	R20
R273	Resistor	1 MΩ	R20
R274	Resistor	1 MΩ	ELR20
R275	Trimmer	10 kΩ	RH0651C14J2WA
R276	Resistor	1 MΩ	ELR20
R277	Resistor	10 kΩ	R20
R278	Resistor	47 kΩ	ELR20
R279	Resistor	47 kΩ	ELR20
R280	Resistor	33 kΩ	ELR20
R281	Trimmer	10 kΩ	RH0651C14J2WA
R282	Resistor	33 kΩ	ELR20
R283	Resistor (IC-575A)	1 MΩ	ELR20
	Resistor (IC-575H)	220 kΩ	ELR20
R284	Resistor (IC-575A)	22 kΩ	ELR20
	Resistor (IC-575H)	12 Ω	ELR20
R285	Resistor (IC-575A)	22 kΩ	ELR20
	Resistor (IC-575H)	39 kΩ	ELR20
R286	Trimmer	4.7 kΩ	RH0651CS3J2KA
R287	Trimmer (IC-575A only)	4.7 kΩ	RH0651CS3J2KA
R288	Resistor (IC-575A)	3.3 kΩ	ELR20
	Resistor (IC-575H (U.S.A., Australia))	2.7 kΩ	ELR20
	Resistor (IC-575H (U.K.))	3.9 kΩ	ELR20
R289	Resistor (IC-575A)	12 kΩ	ELR20
	Resistor (IC-575H (U.S.A., Australia))	6.8 kΩ	ELR20
	Resistor (IC-575H (U.K.))	8.2 kΩ	ELR20
R290	Resistor	470 kΩ	R20

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
R291	Resistor	4.7 kΩ	R20
R292	Trimmer (IC-575A)	100 kΩ	RH0651C15J1UA
	Trimmer (IC-575H)	33 kΩ	RH0651CN4J0TA
R293	Resistor	4.7 kΩ	ELR20
R294	Resistor	2.2 MΩ	ELR20
R295	Resistor	2.2 MΩ	ELR20
R296	Resistor	470 Ω	ELR20
R297	Resistor	150 Ω	R20
R298	Resistor	1 MΩ	ELR20
R299	Resistor	1 MΩ	R20
R300	Resistor	10 MΩ	ERC14GJ
R301	Trimmer	10 kΩ	RH0651C14J2WA
R302	Resistor	2.2 kΩ	ELR20
R303	Resistor	1 kΩ	ELR20
R304	Resistor	4.7 kΩ	ELR20
R305	Resistor	100 kΩ	ELR20
R306	Resistor	1 kΩ	ELR20
R307	Resistor	1 kΩ	ELR20
R308	Resistor	47 Ω	ELR20
R309	Resistor	22 kΩ	ELR20
R310	Resistor	10 kΩ	ELR20
R311	Resistor	1.5 kΩ	ELR20
R312	Resistor	820 Ω	ELR20
R313	Trimmer	330 Ω	RH0652CN2J04A
R314	Resistor	10 kΩ	ELR20
R315	Trimmer	10 kΩ	RH0652C14J0FA
R316	Resistor	1 kΩ	ELR20
R317	Resistor	100 kΩ	ELR20
R318	Resistor	10 kΩ	ELR20
R319	Resistor	47 kΩ	ELR20
R320	Resistor	1 kΩ	ELR20
R321	Resistor	100 Ω	ELR20
R322	Resistor	2.2 kΩ	ELR20
R323	Trimmer	10 kΩ	RH0651C14J2WA
R324	Resistor	1 kΩ	ELR20
R325	Resistor	470 kΩ	ELR20
R326	Resistor	2.2 kΩ	R20
R327	Resistor	1.2 kΩ	ELR20
R328	Resistor	910 Ω	ELR20
R329	Resistor	100 Ω	R20
R330	Resistor	2.2 kΩ	ELR20
R331	Resistor	10 kΩ	ELR20
R332	Resistor	68 kΩ	ELR20
R333	Resistor	68 kΩ	ELR20
R334	Resistor	68 kΩ	ELR20
R335	Resistor	1 kΩ	ELR20
R336	Resistor	100 kΩ	ELR20
R337	Resistor	1 kΩ	ELR20
R338	Resistor	1 kΩ	ELR20
R339	Resistor	47 Ω	ELR20
R340	Resistor	3.3 kΩ	ELR20
R341	Resistor	33 kΩ	ELR20
R342	Resistor	47 Ω	R20
R343	Resistor	4.7 kΩ	ELR20
R344	Resistor	1 kΩ	R20
R345	Resistor	47 kΩ	ELR20
R346	Resistor	47 kΩ	R20
R347	Resistor	47 kΩ	ELR20
R348	Resistor	47 kΩ	R20
R349	Resistor	1 kΩ	ELR20
R350	Resistor	47 kΩ	ELR20
R351	Resistor	1 kΩ	ELR25
R352	Resistor	39 kΩ	ELR20
R353	Resistor	15 kΩ	ELR20
R354	Resistor	100 Ω	R20
R355	Resistor	470 kΩ	ELR20
R356	Resistor	10 kΩ	ELR20
R357	Resistor	470 kΩ	ELR20
R358	Resistor	10 kΩ	ELR20
R359	Resistor	4.7 Ω	ELR25
R360	Resistor	1 kΩ	ELR25
R361	Resistor	4.7 Ω	ELR25
R362	Resistor	1 kΩ	ELR25

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
R363	Resistor	1 kΩ	R20
R364	Trimmer	10 kΩ	RH0651C14J2WA
R365	Resistor	100 kΩ	ELR20
R366	Resistor	2.2 kΩ	ELR20
R367	Resistor	100 Ω	ELR20
R368	Resistor	10 kΩ	ELR20
R369	Resistor	2.2 kΩ	ELR20
R370	Resistor	1 kΩ	ELR20
R371	Resistor	10 kΩ	ELR20
R372	Resistor	22 kΩ	ELR20
R373	Resistor	4.7 kΩ	ELR20
R374	Resistor	33 kΩ	ELR20
R375	Resistor	4.7 kΩ	ELR20
R376	Resistor	470 Ω	ELR20
R377	Resistor	1 kΩ	R20
R378	Resistor	10 Ω	ELR20
R379	Resistor	100 kΩ	R25
R380	Resistor	330 Ω	ELR20
R381	Resistor	1 MΩ	ELR20
R382	Thermistor	ERT-D2FGL	332S
R383	Thermistor	ERT-D2FGL	332S
R384	Resistor	470 Ω	R20
C1	Cylinder	1 pF	UP050SL 010M-NA
C2	Electrolytic	10 μF	16 V MS7
C3	Barrier Layer	0.0047 μF	25 V
C4	Ceramic	0.0047 μF	50 V
C5	Barrier Layer	0.0047 μF	25 V
C6	Barrier Layer	0.0047 μF	25 V
C7	Ceramic	0.0047 μF	50 V
C8	Barrier Layer	0.0047 μF	25 V
C9	Ceramic	0.0047 μF	50 V
C10	Ceramic	0.0047 μF	50 V
C11	Ceramic	120 pF	50 V
C12	Ceramic	22 pF	50 V
C13	Electrolytic	10 μF	16 V MS7
C14	Electrolytic	4.7 μF	25 V MS7
C15	Barrier Layer	0.0047 μF	25 V
C16	Ceramic	0.0047 μF	50 V
C17	Ceramic	0.0047 μF	50 V
C18	Ceramic	120 pF	50 V
C19	Ceramic	120 pF	50 V
C20	Ceramic	4 pF	50 V
C21	Ceramic	0.0047 μF	50 V
C22	Barrier Layer	0.1 μF	16 V
C23	Ceramic	0.0047 μF	50 V
C24	Barrier Layer	0.1 μF	16 V
C25	Ceramic	0.0047 μF	50 V
C26	Electrolytic	3.3 μF	50 V MS7
C27	Ceramic	0.0047 μF	50 V
C28	Ceramic	0.0047 μF	50 V
C29	Ceramic	120 pF	50 V
C30	Ceramic	22 pF	50 V
C31	Ceramic	0.001 μF	50 V
C32	Electrolytic	3.3 μF	50 V MS7
C33	Ceramic	0.0047 μF	50 V
C35	Barrier Layer	0.0047 μF	25 V
C36	Barrier Layer	0.0047 μF	25 V
C37	Barrier Layer	0.0047 μF	25 V
C38	Ceramic	0.0047 μF	50 V
C40	Barrier Layer	0.0047 μF	25 V
C41	Barrier Layer	0.0047 μF	25 V
C42	Barrier Layer	0.0047 μF	25 V
C43	Barrier Layer	0.0047 μF	25 V
C44	Barrier Layer	0.0047 μF	25 V
C45	Barrier Layer	0.0047 μF	25 V
C46	Barrier Layer	0.0047 μF	25 V
C47	Ceramic	0.0047 μF	50 V
C48	Ceramic	0.0047 μF	50 V
C49	Ceramic	0.0047 μF	50 V
C50	Ceramic	0.0047 μF	50 V
C51	Ceramic	0.0047 μF	50 V
C52	Ceramic	0.0047 μF	50 V
C53	Ceramic	0.0047 μF	50 V

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.	
C54	Ceramic	18 pF	50 V
C55	Barrier Layer	0.1 μF	16 V
C56	Ceramic	0.0047 μF	50 V
C57	Ceramic	0.0047 μF	50 V
C58	Ceramic	120 pF	50 V
C59	Barrier Layer	0.047 μF	25 V
C60	Barrier Layer	0.047 μF	25 V
C61	Electrolytic	1 μF	50 V MS7
C62	Ceramic	0.0047 μF	50 V
C63	Barrier Layer	580 pF	50 V RAU06SA 561K
C64	Barrier Layer	0.047 pF	25 V
C65	Barrier Layer	0.047 μF	25 V
C66	Barrier Layer	0.047 μF	25 V
C67	Barrier Layer	0.047 μF	25 V
C68	Barrier Layer	0.01 μF	25 V
C69	Ceramic	100 pF	50 V
C70	Barrier Layer	0.047 μF	25 V
C71	Barrier Layer	0.1 μF	16 V
C72	Barrier Layer	0.01 μF	25 V
C73	Ceramic	0.001 μF	50 V
C74	Barrier Layer	0.01 μF	25 V
C75	Barrier Layer	0.0047 μF	25 V
C76	Ceramic	0.0047 μF	50 V
C77	Electrolytic	100 μF	10 V
C78	Barrier Layer	0.0047 μF	25 V
C79	Barrier Layer	0.0047 μF	25 V
C80	Ceramic	0.0047 μF	50 V
C81	Ceramic	0.0047 μF	50 V
C82	Barrier Layer	0.0047 μF	25 V
C83	Ceramic	0.0047 μF	50 V
C84	Ceramic	100 pF	50 V CH
C85	Ceramic	47 pF	50 V CH
C86	Ceramic	4 pF	50 V
C87	Ceramic	0.0047 μF	50 V
C88	Ceramic	470 pF	50 V
C89	Cylinder	4.7 pF	UP050SL 4R7K-NA
C90	Barrier Layer	0.1 μF	16 V
C91	Barrier Layer	0.1 μF	16 V
C92	Ceramic	10 pF	50 V
C93	Barrier Layer	0.1 μF	16 V
C94	Electrolytic	10 μF	16 V MS7
C95	Ceramic	120 pF	50 V SH
C96	Ceramic	22 pF	50 V
C97	Ceramic	120 pF	50 V
C98	Barrier Layer	0.01 μF	25 V
C99	Ceramic	470 pF	50 V
C100	Ceramic	0.001 μF	50 V
C101	Ceramic	33 pF	50 V
C102	Barrier Layer	0.01 μF	25 V
C103	Tantalum	2.2 μF	35 V DN
C104	Electrolytic	3.3 μF	50 V MS7
C105	Ceramic	470 pF	50 V
C106	Mylar	0.033 μF	50 V F2D
C107	Mylar	0.033 μF	50 V F2D
C108	Barrier Layer	0.1 μF	16 V
C109	Barrier Layer	0.0015 μF	25 V
C110	Barrier Layer	0.0015 μF	25 V
C111	Barrier Layer	0.0015 μF	25 V
C112	Ceramic	0.0047 μF	50 V
C113	Electrolytic	0.1 μF	50 V MS7
C114	Barrier Layer	0.047 μF	25 V
C115	Barrier Layer	0.047 μF	25 V
C116	Barrier Layer	0.047 μF	25 V
C117	Barrier Layer	0.01 μF	25 V
C118	Barrier Layer	0.047 μF	25 V
C119	Electrolytic	4.7 μF	25 V MS7
C120	Barrier Layer	0.0047 μF	25 V
C121	Electrolytic	47 μF	10 V
C122	Electrolytic	0.1 μF	50 V MS7
C123	Electrolytic	0.47 μF	50 V MS7
C124	Ceramic	120 pF	50 V
C125	Cylinder	100 pF	UP050B 101K-NA
C126	Cylinder	22 pF	UP050SL 220J-NA
C127	Barrier Layer	0.047 μF	25 V
C128	Electrolytic	47 μF	10 V

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.		
C129	Electrolytic	10 μ F	16 V	MS7
C130	Tantalum	0.33 μ F	35 V	DN
C131	Mylar	0.01 μ F	50 V	F2D
C132	Mylar	0.022 μ F	50 V	F2D
C133	Ceramic	0.0047 μ F	50 V	
C134	Barrier Layer	0.0047 μ F	25 V	
C135	Ceramic	0.0047 μ F	50 V	
C136	Ceramic	39 pF	50 V	CH
C137	Trimmer	30 pF	CV05E3001	
C138	Ceramic	0.0047 μ F	50 V	
C139	Ceramic	220 pF	50 V	CH
C140	Ceramic	220 pF	50 V	CH
C141	Ceramic	0.001 μ F	50 V	
C142	Barrier Layer	0.0047 μ F	25 V	
C143	Barrier Layer	0.0047 μ F	25 V	
C144	Barrier Layer	0.0047 μ F	25 V	
C145	Tantalum	1 μ F	35 V	DN
C146	Ceramic	22 pF	50 V	
C147	Barrier Layer	0.0047 μ F	25 V	
C148	Ceramic	0.0047 μ F	50 V	
C149	Ceramic	0.0047 μ F	50 V	
C150	Mylar	0.0047 μ F	50 V	F2D
C151	Ceramic	27 pF	50 V	
C152	Tantalum	0.68 μ F	35 V	DN
C153	Electrolytic	10 μ F	16 V	MS7
C154	Electrolytic	10 μ F	16 V	MS7
C155	Electrolytic	10 μ F	16 V	MS7
C156	Electrolytic	10 μ F	16 V	MS7
C157	Electrolytic	10 μ F	16 V	MS7
C158	Electrolytic	10 μ F	16 V	MS7
C160	Electrolytic	0.1 μ F	50 V	MS7
C161	Barrier Layer	0.0047 μ F	25 V	
C162	Ceramic	0.0047 μ F	50 V	
C163	Ceramic	10 pF	50 V	
C164	Ceramic	7 pF	50 V	
C165	Ceramic	100 pF	50 V	CH
C166	Ceramic	100 pF	50 V	CH
C167	Barrier Layer	0.1 μ F	16 V	
C168	Ceramic	0.0047 μ F	50 V	
C169	Barrier Layer	0.0047 μ F	25 V	
C170	Tantalum	0.47 μ F	35 V	DN
C171	Electrolytic	1 μ F	50 V	MS7
C172	Barrier Layer	0.01 μ F	25 V	
C173	Electrolytic	10 μ F	16 V	MS7
C174	Ceramic	470 pF	50 V	
C175	Tantalum	10 μ F	16 V	DN
C176	Mylar	0.022 μ F	50 V	F2D
C177	Mylar	0.022 μ F	50 V	F2D
C178	Mylar	0.022 μ F	50 V	F2D
C179	Electrolytic	47 μ F	10 V	
C180	Electrolytic	1 μ F	50 V	MS7
C181	Mylar	0.022 μ F	50 V	F2D
C182	Electrolytic	0.22 μ F	50 V	MS7
C183	Cylinder	22 pF	UP050SL 220J-NA	
C184	Cylinder	100 pF	UP050B 101K-NA	
C185	Ceramic	0.0047 μ F	50 V	
C186	Ceramic	0.0047 μ F	50 V	
C187	Barrier Layer	0.1 μ F	16 V	
C188	Electrolytic	1 μ F	50 V	MS7
C189	Electrolytic	3.3 μ F	50 V	MS7
C190	Electrolytic	1 μ F	50 V	MS7
C191	Electrolytic	0.22 μ F	50 V	MS7
C192	Barrier Layer	0.1 μ F	16 V	
C193	Ceramic	470 pF	50 V	
C194	Electrolytic (IC-575A)	10 μ F	16 V	MS7
	Ceramic (IC-575H)	470 pF	50 V	
C195	Electrolytic	1 μ F	50 V	MS7
C196	Barrier Layer	0.0047 μ F	25 V	
C197	Electrolytic	4.7 μ F	25 V	MS7
C198	Ceramic	470 pF	50 V	
C199	Electrolytic	0.47 μ F	50 V	MS7
C200	Electrolytic	0.22 μ F	50 V	MS7
C202	Electrolytic	0.22 μ F	50 V	MS7

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.		
C203	Electrolytic	100 μ F	10 V	SS
C204	Mylar	0.022 μ F	50 V	F2D
C205	Mylar	0.0022 μ F	50 V	F2D
C206	Electrolytic	2.2 μ F	50 V	MS7
C207	Barrier Layer	0.1 μ F	16 V	
C208	Ceramic	470 pF	50 V	
C209	Electrolytic (IC-575A)	470 μ F	25 V	SS
	Electrolytic (IC-575H)	1000 μ F	50 V	MS16
C210	Electrolytic	47 μ F	16 V	SS
C211	Electrolytic	470 μ F	16 V	SS
C212	Electrolytic	4.7 μ F	25 V	MS7
C213	Ceramic (IC-575A)	0.0047 μ F	50 V	
	Ceramic (IC-575H)	220 pF	50 V	
C214	Ceramic (IC-575A)	0.0047 μ F	50 V	
	Ceramic (IC-575H)	220 pF	50 V	
C215	Ceramic	0.001 μ F	50 V	
C216	Electrolytic	4.7 μ F	25 V	MS7
C217	Ceramic	0.001 μ F	50 V	
C218	Barrier Layer	0.1 μ F	16 V	
C219	Ceramic	0.001 μ F	50 V	
C220	Barrier Layer	0.0047 μ F	25 V	
C221	Tantalum (IC-575A)	10 μ F	16 V	DN
	Tantalum (IC-575H)	2.2 μ F	16 V	DN
C222	Tantalum (IC-575A)	1 μ F	35 V	DN
	Tantalum (IC-575H)	4.7 μ F	35 V	DN
C223	Ceramic	0.001 μ F	50 V	
C224	Electrolytic	47 μ F	10 V	
C225	Barrier Layer	0.0047 μ F	25 V	
C226	Electrolytic	0.47 μ F	50 V	BP
C227	Barrier Layer	0.047 μ F	25 V	
C228	Electrolytic	47 μ F	10 V	
C229	Electrolytic	4.7 μ F	25 V	MS7
C230	Electrolytic	4.7 μ F	25 V	MS7
C231	Electrolytic	4.7 μ F	25 V	MS7
C232	Barrier Layer	0.1 μ F	16 V	
C233	Electrolytic	100 μ F	10 V	
C234	Electrolytic	4.7 μ F	25 V	MS7
C235	Electrolytic	10 μ F	16 V	MS7
C236	Electrolytic	10 μ F	16 V	MS7
C237	Electrolytic	10 μ F	16 V	MS7
C238	Electrolytic	0.47 μ F	50 V	MS7
C239	Mylar	0.0022 μ F	50 V	F2D
C240	Electrolytic	47 μ F	10 V	
C241	Electrolytic	10 μ F	16 V	MS7
C242	Electrolytic	10 μ F	16 V	MS7
C243	Ceramic	0.001 μ F	50 V	
C244	Mylar	0.0022 μ F	50 V	F2D
C245	Ceramic	120 pF	50 V	
C246	Electrolytic	10 μ F	16 V	MS7
C247	Electrolytic	10 μ F	16 V	MS7
C248	Tantalum	0.1 μ F	35 V	DN
C249	Mylar	0.001 μ F	50 V	F2D
C250	Electrolytic	10 μ F	16 V	MS7
C251	Tantalum	1 μ F	35 V	DN
C252	Electrolytic	47 μ F	10 V	MS9
C253	Tantalum	0.1 μ F	35 V	DN
C254	Tantalum	10 μ F	16 V	DN
C255	Barrier Layer	0.0047 μ F	25 V	
C258	Barrier Layer	0.0047 μ F	25 V	
C259	Barrier Layer	0.0033 μ F	25 V	
C260	Barrier Layer	0.1 μ F	16 V	
C261	Mylar	0.0022 μ F	50 V	F2D
C262	Mylar	0.01 μ F	50 V	F2D
C263	Electrolytic	0.47 μ F	50 V	MS7
C264	Electrolytic	0.47 μ F	50 V	MS7

[MAIN UNIT]

REF. NO.	DESCRIPTION	PART NO.
C265	Electrolytic	470 μ F 25 V SS
C267	Barrier Layer	0.1 μ F 16 V
C268	Electrolytic	10 μ F 16 V MS7
C269	Tantalum	1 μ F 35 V DN
C270	Ceramic	0.0047 μ F 50 V
C271	Ceramic	0.0047 μ F 50 V
C272	Electrolytic	0.47 μ F 50 V BP
C273	Barrier Layer	0.0047 μ F 25 V
C274	Barrier Layer	0.0047 μ F 25 V
C275	Ceramic	220 pF 50 V
C276	Cylinder	0.001 μ F UP050B 102K-NA
C277	Ceramic	0.0047 μ F GRM40
C278	Ceramic	0.0047 μ F 50 V
C280	Tantalum (IC-575H only)	10 μ F 16 V DN
J1	Connector	B08B-EH-S
J2	Connector	TMP-J01X-A2
J3	Connector	B07B-EH-S
J4	Connector	B04B-EH-S
J5	Connector	B05B-EH-S
J6	Connector	B12B-EH-S
J7	Connector	HSJ0807-01-010
J8	Connector	B10B-EH-S
J9	Connector	B04B-EH-S
J10	Connector	B05B-EH-S
J11	Connector	B08B-EH-S
J12	Connector	B09B-EH-S
J13	Connector	B08B-EH-S
J14	Connector	B12B-EH-S
J15	Connector	HSJ0807-01-010
J16	Connector	B05B-EH-S
J17	Connector	B03B-EH-S
J18	Connector	001P1100
J19	Connector	001P1100
S1	Switch	SSSU12209B
S2	Switch	SSSS31124A
S3	Switch	SSSS31124A
S4	Switch	SSSS31124A
S5	Switch	SSSU12209B
SO1	Socket	50864-1
SO2	Socket	50864-1
SO3	Socket	50864-1
SO4	Socket	50864-1
SO5	Socket	50864-1
SO6	Socket	50864-1
SO7	Socket	50864-1
SO8	Socket	50864-1
EP1	P.C. Board	B-1415E (MAIN)
EP2	P.C. Board	B-1491C (JUMPER)
W130	Jumper	JPW-02A
W156	Jumper	JPW-01 R-01
W158	Jumper (IC-575H only)	JPW-02A

[SQL UNIT]

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	NJM4558M
Q1	Transistor	2SC2712 Y
Q2	Transistor	2SC3395
D1	Diode	HSM88AS
R1	Resistor	2.2 k Ω MCR10
R2	Resistor	470 k Ω MCR10
R3	Resistor	4.7 k Ω MCR10
R4	Resistor	10 k Ω MCR10
R5	Resistor	10 k Ω MCR10
R6	Resistor	470 k Ω MCR10
R7	Resistor	470 k Ω MCR10
R8	Resistor	1 k Ω MCR10
R9	Resistor	6.8 k Ω MCR10
R10	Resistor	47 k Ω MCR10
R11	Resistor	100 k Ω MCR10
C1	Ceramic	330 pF GRM40
C2	Ceramic	150 pF GRM40
C3	Ceramic	470 pF GRM40
C4	Ceramic	0.1 μ F GRM40 F
C5	Ceramic	56 pF GRM40
C6	Ceramic	0.1 μ F GRM40 F
EP1	P.C. Board	B-1255A

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	ND487C1-3R
Q1	Transistor	2SC2026
Q2	Transistor	2SC2053
Q4	Transistor	RN1202
Q5	Transistor	RN2202
Q6	Transistor	RN1202
Q7	Transistor	RN2202
Q8	Transistor	RN1202
Q9	Transistor	RN2202
Q10	Transistor	2SC2668
Q11	Transistor	2SC2053
Q12	FET	3SK74 M
Q13	FET	3SK74 K
Q14	FET	3SK74 K
Q15	FET	3SK74 M
Q16	FET	2SK125
Q17	FET	2SK125
Q18	FET	2SK125
Q19	FET	2SK125
D1	Diode	1S953
D2	Diode	1SS53
D3	Diode	1SS53
D4	Diode	1SS53
D5	Diode	1SS53
D6	Diode	1SS53

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.
D7	Diode	1SS53
D8	Diode	1SS53
D9	Diode	1SS53
D10	Diode	1SS53
D11	Diode	MI301
D12	Diode	1SS53
D13	Diode	1SS53
D14	Diode	1SS53
D15	Diode	1SS53
FI1	Crystal	FL-64
L1	Coil	LAL03NA 101K 100 μ
L2	Coil	LAL03NA 101K 100 μ
L3	Coil	LAL03NA 101K 100 μ
L4	Coil	LAL03NA 101K 100 μ
L5	Coil	LAL03NA 101K 100 μ
L6	Coil	LAL03NA 101K 100 μ
L7	Coil	LAL03NA 101K 100 μ
L8	Coil	LAL03NA R22M 0.22 μ
L9	Coil	LAL03NA R27M 0.27 μ
L10	Coil	LAL03NA R27M 0.27 μ
L11	Coil	LAL03NA R27M 0.27 μ
L12	Coil	LAL03NA 100K 10 μ
L13	Coil	LAL03NA 100K 10 μ
L14	Coil	LAL03NA R22M 0.22 μ
L15	Coil	LAL03NA R22M 0.22 μ
L16	Coil	LAL03NA R22M 0.22 μ
L17	Coil	LAL03NA R22M 0.22 μ
L18	Coil	LAL03NA 100K 10 μ
L19	Coil	LAL03NA 100K 10 μ
L20	Coil	LA-254
L21	Coil	LB4 R15K
L22	Coil	LA-266
L23	Coil	LA-258
L24	Coil	LAL03NA 100K 10 μ
L25	Coil	LAL03NA 100K 10 μ
L26	Coil (IC-575A)	LAL03NA 100K 10 μ
	Coil (IC-575H)	LAL03NA 102K 1000 μ
L27	Coil	LAL03NA 100K 10 μ
L28	Coil (IC-575A)	LAL03NA 100K 10 μ
	Coil (IC-575H)	LAL03NA R22M 0.22 μ
L29	Coil	LA-247
L30	Coil	LAL03NA 100K 10 μ
L31	Coil	LR-116
L32	Coil	LAL03NA 1R2M 1.2 μ
L33	Coil	LS-254
L34	Coil	LAL03NA R27M 0.27 μ
L35	Coil	LAL03NA R22M 0.22 μ
L36	Coil	LAL03NA R27M 0.27 μ
L37	Coil	LAL03NA R33M 0.33 μ
L38	Coil	LS-284
L39	Coil	LS-284
L40	Coil	LA-245
L41	Coil	LR-116
L42	Coil	LA-237
L43	Coil	LA-236
L44	Coil	LS-114
L45	Coil	LS-284
L46	Coil	LS-198
L47	Coil	LR-182
L48	Coil	LS-163
L49	Coil	LS-90A
L50	Coil	LR-178
L51	Coil	LS-254
L52	Coil	LS-254
L53	Coil	LS-114
L54	Coil	LS-254

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.
L55	Coil	LS-254
L56	Coil	LAL03NA 100K 10 μ
L57	Coil	LS-198
L58	Coil	LR-116
L59	Coil	LA-247
L60	Coil	LAL03NA 100K 10 μ
L61	Coil	LAL03NA 100K 10 μ
L62	Coil	LA-245
L63	Coil	LAL03NA 100K 10 μ
L64	Coil	LAL03NA 100K 10 μ
R1	Resistor	1 k Ω R20
R2	Resistor	100 Ω ELR20
R3	Resistor	100 Ω ELR20
R4	Resistor	100 Ω ELR20
R5	Resistor	1 k Ω ELR20
R6	Resistor	150 Ω ELR20
R7	Resistor	1.5 k Ω ELR20
R8	Resistor	6.8 k Ω ELR20
R9	Resistor	4.7 Ω R20
R10	Resistor (IC-575A)	1.8 k Ω ELR20
	Resistor (IC-575H)	470 Ω ELR20
R11	Resistor (IC-575A)	22 Ω R20
	Resistor (IC-575H)	68 Ω R20
R12	Resistor	150 Ω ELR25
R13	Resistor	4.7 k Ω R20
R14	Resistor	1.8 k Ω ELR20
R15	Resistor	4.7 Ω ELR20
R16	Resistor	560 Ω ELR20
R17	Resistor	4.7 k Ω ELR20
R18	Resistor	1 k Ω ELR20
R19	Resistor	33 Ω R20
R20	Resistor	47 Ω ELR20
R21	Resistor	47 Ω R20
R22	Resistor	4.7 k Ω R20
R23	Resistor	4.7 k Ω R20
R24	Resistor	3.3 k Ω ELR20
R25	Resistor	12 k Ω R20
R26	Resistor	100 Ω ELR20
R27	Resistor	100 Ω R20
R28	Resistor	270 Ω ELR20
R29	Resistor	18 Ω ELR20
R30	Resistor	560 Ω ELR20
R31	Resistor	3.3 k Ω ELR20
R32	Resistor	47 Ω ELR20
R33	Resistor (IC-575A)	4.7 Ω R20
	Resistor (IC-575H)	5.6 Ω R20
R34	Resistor	47 Ω ELR20
R35	Resistor	100 Ω ELR20
R36	Resistor	100 Ω ELR20
R37	Resistor (IC-575A)	100 k Ω ELR20
	Resistor (IC-575H)	47 k Ω ELR20
R38	Resistor	100 k Ω ELR20
R39	Resistor	470 Ω ELR20
R40	Resistor	100 Ω ELR20
R41	Resistor	3.3 k Ω R20
R42	Resistor	47 k Ω R20
R43	Resistor	47 Ω R20
R44	Resistor	47 k Ω ELR20
R45	Resistor	47 k Ω R20
R46	Trimmer	100 Ω RH0651C12J04A
R47	Resistor (IC-575A)	1 k Ω ELR20
	Resistor (IC-575H)	2.2 Ω ELR20
R48	Resistor	470 Ω R20

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.	
R49	Resistor	1 k Ω	R20
R50	Resistor	270 Ω	ELR20
R51	Resistor	1 k Ω	ELR20
R52	Resistor	4.7 k Ω	ELR20
R53	Resistor	47 Ω	R20
R54	Resistor	330 Ω	ELR20
R55	Resistor	1 M Ω	ELR20
R56	Resistor	22 Ω	ELR20
R57	Resistor	4.7 k Ω	ELR20
R58	Resistor	150 Ω	ELR20
R59	Resistor	47 Ω	R20
R60	Resistor	22 k Ω	ELR20
R61	Resistor	470 Ω	ELR20
R62	Resistor	470 Ω	ELR20
R63	Resistor	470 Ω	R25
R64	Resistor	100 Ω	ELR20
R65	Resistor	150 Ω	ELR20
R66	Resistor	100 Ω	R20
R67	Thermistor	23D29	
R68	Thermistor	23D29	
R69	Resistor	1 k Ω	ELR20
R70	Thermistor	23D29	
C1	Ceramic	0.0047 μ F	50 V
C2	Ceramic	0.0047 μ F	50 V
C6	Ceramic	0.001 μ F	50 V
C7	Ceramic	0.0047 μ F	50 V
C8	Ceramic	0.0047 μ F	50 V
C9	Ceramic	0.001 μ F	50 V
C10	Ceramic	0.0047 μ F	50 V
C11	Ceramic	0.0047 μ F	50 V
C12	Ceramic	0.0047 μ F	50 V
C13	Barrier Layer	0.1 μ F	16 V
C14	Ceramic	100 pF	50 V
C15	Barrier Layer (IC-575A)	680 pF	50 V RAU08SA 681J
	Barrier Layer (IC-575H)	680 pF	50 V RAU06SA 681K
C16	Ceramic	120 pF	50 V
C17	Ceramic	82 pF	50 V
C18	Ceramic	20 pF	50 V
C19	Ceramic	150 pF	50 V
C20	Ceramic	0.0047 μ F	50 V
C21	Ceramic	0.1 μ F	16 V
C22	Ceramic	82 pF	50 V
C23	Barrier Layer (IC-575A)	820 pF	50 V RAU06SA 821K
	Barrier Layer (IC-575H)	820 pF	50 V RAU08SA 821K
C24	Ceramic	120 pF	50 V
C25	Ceramic	75 pF	50 V
C26	Ceramic	22 pF	50 V
C27	Ceramic	100 pF	50 V
C28	Ceramic	0.0047 μ F	50 V
C29	Barrier Layer	0.1 μ F	16 V
C30	Ceramic	68 pF	50 V
C31	Ceramic	330 pF	50 V
C32	Ceramic	120 pF	50 V
C33	Ceramic	47 pF	50 V
C34	Ceramic	27 pF	50 V
C35	Ceramic	56 pF	50 V
C36	Barrier Layer	0.0047 μ F	25 V
C37	Barrier Layer	0.0047 μ F	25 V
C38	Ceramic (IC-575A)	120 pF	50 V
	Barrier Layer (IC-575H)	0.0047 μ F	25 V
C39	Ceramic	0.0047 μ F	50 V
C40	Barrier Layer	0.0047 μ F	25 V
C41	Ceramic (IC-575A)	0.001 μ F	50 V
	Ceramic (IC-575H)	120 pF	50 V
C42	Ceramic	0.001 μ F	50 V

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.	
C43	Barrier Layer (IC-575A)	0.0047 μ F	25 V
	Ceramic (IC-575H)	100 pF	50 V
C44	Barrier Layer	0.0047 μ F	25 V
C45	Ceramic	68 pF	50 V
C46	Ceramic	33 pF	50 V
C47	Ceramic	47 pF	50 V
C48	Barrier Layer	0.0047 μ F	25 V
C49	Ceramic	0.0047 μ F	50 V
C50	Barrier Layer	0.0047 μ F	25 V
C51	Ceramic	0.0047 μ F	50 V
C52	Ceramic	12 pF	50 V
C53	Ceramic	47 pF	50 V
C54	Ceramic	15 pF	50 V
C55	Ceramic	27 pF	50 V
C56	Ceramic	100 pF	50 V
C57	Ceramic	120 pF	50 V
C58	Ceramic	330 pF	50 V
C59	Ceramic	8 pF	50 V
C60	Ceramic	0.0047 μ F	50 V
C61	Ceramic	22 pF	50 V
C62	Barrier Layer	0.0047 μ F	25 V
C63	Ceramic	0.001 μ F	50 V
C64	Ceramic	10 pF	50 V
C65	Barrier Layer	0.0047 μ F	25 V
C66	Cylinder	1.5 pF	UP050SL 1R5M-NA
C67	Ceramic	10 pF	50 V
C68	Ceramic	56 pF	50 V
C69	Ceramic	82 pF	50 V
C70	Ceramic	68 pF	50 V
C71	Barrier Layer	0.047 μ F	25 V
C72	Ceramic	62 pF	50 V
C73	Ceramic	0.0047 μ F	50 V
C74	Ceramic	33 pF	50 V
C75	Ceramic	7 pF	50 V
C76	Tantalum	10 μ F	35 V DN
C77	Ceramic	0.0047 μ F	50 V
C78	Ceramic	0.0047 μ F	50 V
C79	Ceramic	6 pF	50 V
C80	Barrier Layer (IC-575A)	0.0047 μ F	25 V
	Tantalum (IC-575H)	0.47 μ F	35 V DN
C81	Barrier Layer	0.0047 μ F	25 V
C82	Ceramic	6 pF	50 V UJ
C83	Barrier Layer	0.0047 μ F	25 V
C84	Ceramic	10 pF	50 V CH
C85	Ceramic	3 pF	50 V
C86	Cylinder	18 pF	UP050SL 180J-NA
C87	Ceramic	0.0047 μ F	50 V
C88	Ceramic	0.0047 μ F	50 V
C89	Ceramic	0.0047 μ F	50 V
C90	Ceramic	0.0047 μ F	50 V
C91	Ceramic	0.001 μ F	50 V
C92	Ceramic	2 pF	50 V
C93	Ceramic	68 pF	50 V
C94	Ceramic	8 pF	50 V
C95	Ceramic	8 pF	50 V
C96	Ceramic	0.001 μ F	50 V
C97	Ceramic	0.0047 μ F	50 V
C98	Ceramic	8 pF	50 V
C99	Barrier Layer	0.0047 μ F	25 V
C100	Ceramic	0.0047 μ F	50 V
C101	Ceramic	8 pF	50 V
C102	Ceramic	8 pF	50 V
C103	Ceramic	0.0047 μ F	50 V
C104	Ceramic	0.0047 μ F	50 V
C105	Ceramic	8 pF	50 V
C106	Barrier Layer	0.0047 μ F	25 V
C107	Barrier Layer	0.0047 μ F	25 V
C108	Ceramic	0.0047 μ F	50 V
C109	Tantalum	1 μ F	35 V DN
C110	Ceramic	33 pF	50 V
C111	Ceramic	24 pF	50 V

[RF-YGR UNIT]

REF. NO.	DESCRIPTION	PART NO.
C112	Ceramic	10 pF 50 V
C113	Barrier Layer (IC-575A)	0.0047 μF 25 V
	Ceramic (IC-575H)	DD104 B 821K 50 V
C114	Ceramic	47 pF 50 V
C115	Barrier Layer	0.0047 μF 25 V
C116	Ceramic	47 pF 50 V
C117	Ceramic	0.0047 μF 50 V
J1	Connector	B08B-EH-S
J2	Connector	TMP-J01X-A2
J3	Connector	TMP-J01X-A2
J4	Connector	TMP-J01X-A2
J5	Connector	TMP-J01X-A2
P1	Connector	EHR-08
P2	Connector	TMP-P01X-A1
EP1	P.C. Board	B-1416C

[REG UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
R18	Resistor	SRW2P0.5-J
R19	Resistor	SRW2P0.5-J
R20	Resistor	120 kΩ R20
R21	Resistor	120 kΩ R20
R22	Resistor	10 kΩ R20
C1	Ceramic	0.0022 μF DE7100F222MAC400
C2	Ceramic	0.0022 μF DE7100F222MAC400
C3	Ceramic	0.02 μF 500 V
C4	Electrolytic	3.3 μF 200 V 200UPA3R3VA-M
C5	Electrolytic	3.3 μF 200 V 200UPA3R3VA-M
C6	Ceramic	0.0022 μF DE7100F222MAC400
C7	Ceramic	470 pF 500 V
C8	Metallized	0.47 μF 400 V 400MMW474K
C9	Ceramic	0.0047 μF 50 V
C10	Ceramic	0.0047 μF 50 V
C11	Electrolytic	1000 μF 16 V ECEA1CG102S
C12	Electrolytic	1000 μF 16 V ECEA1CG102S
C13	Electrolytic	47 μF 16 V
C14	Mylar	0.01 μF 50 V F2Z
C15	Mylar	0.01 μF 50 V F2Z
C16	Electrolytic	0.47 μF 50 V
C17	Electrolytic	10 μF 16 V
C18	Mylar	0.001 μF 50 V F2Z
C19	Ceramic	0.001 μF 50 V
C20	Electrolytic	10 μF 16 V
C21	Monolithic	0.68 μF 50 V C76AF1H684Z
C22	Ceramic	0.0022 μF 50 V
C23	Ceramic	0.0022 μF 500 V
C24	Ceramic	0.0022 μF 500 V
C25	Ceramic	0.0022 μF 500 V
C26	Ceramic	0.0022 μF 500 V
C27	Electrolytic	330 μF 200 V 200 SXP 330
C28	Electrolytic	330 μF 200 V 200 SXP 330
C29	Electrolytic	330 μF 200 V 200 SXP 330
C30	Electrolytic	330 μF 200 V 200 SXP 330
C31	Electrolytic	470 μF 25 V
C32	Electrolytic	100 μF 25 V
C33	Monolithic	0.68 μF 50 V C76AF1H684Z
C34	Metallized	0.082 μF 250 V AC ECQ-U2A823MW
J1	Connector	AP-300-X-A-1-NI-BLACK
P1	Connector	1625-03P1
P2	Connector	LLP-06 (OPC-154)
F1	Fuse (U.S.A.)	F.G.M.B 125 V 5 A
F1	Fuse (Australia, U.K.)	F.G.M.B 250 V 3 A
F2	Holder	FH-033
T1	Transformer	TP-32
EP1	P.C. Board	B-1174B
EP12	Ferrite Bead	FSQH070RN
W9	Jumper	JPW-02A

[REG UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
IC1	IC	SG3524N
Q1	Transistor	2SC4051
Q2	Transistor	2SC4051
D1	Diode	SB1680 (ESAC85-009)
D2	Diode	V19B
D3	Diode	V19B
D4	Diode	1N4002
D5	Bridge	KBL06
D6	Diode	1N4002
L1	Coil	LR-59A
L2	Coil	TO-12
L3	Coil	SK-24P-110-100
L4	Coil	FL7H 102J 1000μ
L5	Coil	TI-5
L6	Coil	LR-92
R1	Resistor	120 kΩ R20
R2	Resistor	120 kΩ R20
R3	Resistor	4.7 Ω R20
R4	Resistor	4.7 Ω R20
R5	Resistor	22 Ω R20
R6	Resistor	22 Ω R20
R7	Resistor	390 Ω R25
R8	Resistor	33 Ω R25
R9	Resistor	0.022 Ω RA-1
R10	Resistor	2.2 kΩ R20
R11	Resistor	33 kΩ R20
R12	Resistor	4.7 kΩ ELR20
R13	Resistor	4.7 kΩ R25
R14	Resistor	4.7 kΩ ELR20
R15	Trimmer	10 kΩ RH0651C14J2WA
R16	Resistor	15 kΩ R20
R17	Absorber	ERZ-C07DK431

[PA UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
Q1	Transistor	2SC1971
Q2	Transistor	2SC1971
Q3	Transistor	2SC1972
Q4	Transistor	2SC1972
Q5	Transistor	2SD313
Q6	Transistor	2SD468 C
Q7	Transistor	RN2202
Q8	Transistor	RN1204
Q9	Transistor	2SB562 C
Q10	Transistor	RN1202
Q11	Transistor	RN2202
Q12	FET	2SK152
D1	Diode	MV5W
D2	Diode	MV5W
D3	Diode	1N4002
D4	Diode	1N4002
D5	Diode	1K60
D6	Diode	1K60
D7	Diode	1SS133
D8	Diode	1SS133
D9	Diode	1SS133
D10	Diode	1SS53
D11	Diode	1SS53
D12	Diode	1SS53
D13	Diode	1SS53
D14	Diode	15CD11
D15	Diode	MI301
D16	Diode	MI301
L1	Coil	LR-179
L2	Coil	LR-129
L3	Coil	LR-180
L4	Coil	LR-181
L5	Coil	BT01RN1-A61
L6	Coil	BT01RN1-A61
L7	Coil	BT01RN1-A61
L8	Coil	BT01RN1-A61
L9	Coil	LA-257
L10	Coil	LA-258
L11	Coil	LA-258
L12	Coil	LA-256
L13	Coil	LA-268
L14	Coil	LA-269
L15	Coil	LA-269
L16	Coil	LA-268
L17	Coil	LAL03NA 101K 100μ
L18	Coil	LAL03NA 101K 100μ
L19	Coil	LR-163
L20	Coil	LAL03NA 100K 10μ
L21	Coil	LA-256
L22	Coil	LAL03NA 101K 100μ
L23	Coil	LAL03NA 101K 100μ
L24	Coil	LAL03NA 100K 10μ
L25	Coil	LAL03NA 101K 100μ
L26	Coil	LAL03NA 101K 100μ
L27	Coil	LAL02KR R39M 0.39μ
L28	Coil	LAL03NA 101K 100μ
L29	Coil	LAL03NA R56M 0.56μ
L30	Coil	LR-116
L31	Coil	LAL03NA 101K 100μ
L32	Coil	LAL02KR R39M 0.39μ
L33	Coil	LR-81
L34	Coil	LA-247
L35	Coil	LA-248
R1	Resistor	330 Ω R25
R2	Resistor	330 Ω R25
R3	Resistor	47 Ω R25
R4	Trimmer	4.7 kΩ RH0651C14J2WA
R5	Resistor	390 Ω R25
R7	Trimmer	4.7 kΩ RH0651CS3J2KA

[PA UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
R8	Resistor	3.3 Ω R25
R9	Resistor	220 Ω R20
R10	Resistor	100 Ω R25
R11	Resistor	100 Ω R25
R12	Resistor	220 Ω R25
R13	Resistor	220 Ω R25
R14	Resistor	SRW2P0.1-J
R15	Resistor	1 kΩ ELR20
R16	Resistor	1 kΩ ELR20
R17	Resistor	10 kΩ ELR20
R18	Resistor	1 kΩ ELR20
R19	Resistor	47 kΩ ELR20
R20	Resistor	10 kΩ ELR20
R21	Resistor	150 kΩ R20
R22	Resistor	47 kΩ ELR20
R23	Resistor	10 kΩ ELR20
R24	Resistor	1 kΩ ELR20
R25	Resistor	10 kΩ R20
R26	Resistor	330 kΩ R50X
R27	Resistor	33 kΩ R20
R28	Absorber	DSA301 L
R29	Resistor	1 kΩ R20
R30	Resistor	10 kΩ ELR20
R31	Resistor	10 kΩ ELR20
R32	Resistor	1 kΩ R20
R33	Resistor	470 Ω R20
R34	Resistor	22 Ω ELR20
R35	Resistor	1 kΩ ELR20
R36	Resistor	10 Ω ELR20
R37	Resistor	2.2 kΩ ELR20
R38	Resistor	470 Ω ELR20
R39	Resistor	2.2 kΩ ELR20
R40	Resistor	56 Ω ELR20
R41	Resistor	2.2 kΩ R20
R42	Resistor	1 kΩ ELR20
R43	Resistor	330 Ω R50X
C1	Trimmer	50 pF CV05E5001
C2	Ceramic	27 pF 50 V
C3	Electrolytic	10 μF 16 V MS7
C4	Ceramic	0.0047 μF 50 V
C5	Ceramic	0.0047 μF 50 V
C6	Ceramic	0.0047 μF 50 V
C7	Ceramic	0.0047 μF 50 V
C8	Ceramic	0.001 μF 50 V
C9	Ceramic	100 pF 50 V
C10	Ceramic	100 pF 500 V
C11	Ceramic	0.0047 μF 50 V
C12	Ceramic	0.0047 μF 50 V
C13	Ceramic	47 pF 500 V
C14	Ceramic	120 pF 500 V
C15	Electrolytic	10 μF 16 V MS7
C16	Ceramic	0.0047 μF 50 V
C17	Ceramic	0.0047 μF 50 V
C18	Ceramic	0.001 μF 50 V
C19	Ceramic	0.0047 μF 50 V
C20	Electrolytic	470 μF 16 V MS16
C21	Ceramic	0.0047 μF 50 V
C22	Ceramic	0.001 μF 50 V
C23	Ceramic	0.001 μF 50 V
C24	Ceramic	0.001 μF 50 V
C25	Ceramic	0.0047 μF 50 V
C26	Ceramic	47 pF 500 V
C27	Ceramic	100 pF 500 V
C29	Ceramic	6 pF 500 V
C30	Ceramic	100 pF 500 V
C31	Ceramic	12 pF 500 V
C32	Ceramic	75 pF 500 V
C33	Ceramic	75 pF 500 V
C35	Ceramic	150 pF 500 V
C36	Ceramic	18 pF 500 V
C37	Ceramic	120 pF 500 V
C38	Ceramic	30 pF 500 V
C39	Ceramic	120 pF 500 V

[PA UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
C40	Ceramic	0.0047 μ F 50 V
C41	Ceramic	0.0047 μ F 50 V
C42	Trimmer	6 pF CV05A0601
C43	Ceramic	100 pF 50 V
C44	Ceramic	220 pF 50 V
C45	Ceramic	220 pF 50 V
C46	Ceramic	150 pF 50 V
C47	Ceramic	0.0047 μ F 50 V
C48	Mylar	0.1 μ F 50 V F2D
C49	Ceramic	0.0047 μ F 50 V
C50	Ceramic	30 pF 500 V
C51	Ceramic	15 pF 500 V
C52	Ceramic	15 pF 500 V
C54	Barrier Layer	0.0047 μ F 25 V
C55	Barrier Layer	0.0047 μ F 25 V
C56	Barrier Layer	0.0047 μ F 25 V
C57	Barrier Layer	0.0047 μ F 25 V
C58	Electrolytic	0.47 μ F 50 V MS7
C59	Barrier Layer	0.0047 μ F 25 V
C60	Ceramic	0.0047 μ F 50 V
C61	Barrier Layer	0.0047 μ F 25 V
C62	Ceramic	0.0047 μ F 50 V
C63	Barrier Layer	0.0047 μ F 25 V
C64	Ceramic	0.0047 μ F 50 V
C65	Barrier Layer	0.0047 μ F 25 V
C66	Ceramic	0.001 μ F 50 V
C67	Feed Through	TF318-452E102GMV 50 V
C68	Feed Through	TF318-452E102GMV 50 V
C69	Feed Through	TF318-452E102GMV 50 V
C70	Feed Through	TF318-452E102GMV 50 V
C71	Ceramic	30 pF 50 V
C72	Barrier Layer	0.0047 μ F 25 V
C73	Ceramic	39 pF 50 V
C74	Ceramic	100 pF 50 V
C75	Ceramic	100 pF 50 V
C76	Ceramic	120 pF GRM40
C78	Ceramic	330 pF GRM40
C79	Feed Through	TF240-602SS332Z 50 V
C80	Feed Through	TF240-602SS332Z 50 V
C81	Feed Through	TF240-602SS332Z 50 V
C82	Feed Through	TF240-602SS332Z 50 V
C83	Feed Through	TF240-602SS332Z 50 V
C84	Feed Through	TF240-602SS332Z 50 V
C85	Feed Through	TF240-602SS332Z 50 V
C86	Feed Through	TF240-602SS332Z 50 V
C87	Feed Through	TF240-602SS332Z 50 V
C88	Feed Through	TF240-602SS332Z 50 V
C89	Barrier Layer	0.0047 μ F 25 V
C90	Electrolytic	470 μ F 16 V SS
C91	Electrolytic	470 μ F 16 V SS
C92	Electrolytic	470 μ F 16 V SS
C93	Barrier Layer	0.0047 μ F 25 V
C94	Ceramic	47 pF GRM40
C95	Ceramic	18 pF GRM40
C96	Ceramic	56 pF GRM40
C97	Ceramic	33 pF GRM40
C98	Ceramic	6 pF GRM40
C99	Ceramic	56 pF GRM40
C100	Ceramic	0.001 μ F GRM40
RL1	Relay	MZ12HG
RL2	Relay	MZ12HG
RL3	Relay	NR-HD-6V
J1	Connector	LLR-6
J2	Connector	MR-DSE-01
P1	Connector	1490R-1
P2	Connector	TMP-P01X-A1
P3	Connector	TMP-P01X-A1
P4	Connector	SMR-10V-B

[PA UNIT] (IC-575A ONLY)

REF. NO.	DESCRIPTION	PART NO.
P5	Connector	EHR-03
S1	Switch	A6DR-2100
SP1	Speaker	C065K12I0810
EP1	Ferrite Bead	FSQH070RN
EP2	P.C. Board	B-1418E (PA)
EP10	Ferrite Bead	FSQH090RN
EP16	P.C. Board	B1724A (BPF)
EP17	Lead Frame	VD2.54-0.7-7
W32	Jumper	JPW-02A

[CTRL UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
Q1	Transistor	2SD468 C
Q2	Transistor	2SC2785 EF/KF
Q3	Transistor	2SD1406
Q4	Transistor	RN1204
Q5	Transistor	RN2202
Q6	Transistor	RN1202
Q7	Transistor	2SB562 C
D1	Zener	RD10E B2
D2	Diode	1SS133
D3	Diode	1SS133
D4	Diode	1SS53
D6	Diode	15CD11
R1	Resistor	CP5AJ 0.012
R2	Resistor	1 k Ω ELR20
R3	Resistor	1 k Ω ELR20
R6	Resistor	4.7 k Ω R20
R7	Resistor	680 Ω ELR20
R8	Resistor	10 k Ω ELR20
R9	Resistor	1 k Ω R20
R10	Resistor	10 k Ω R20
R11	Resistor	330 Ω R50X
R12	Resistor	330 Ω R50X
C1	Electrolytic	1000 μ F 16 V MS16
C2	Ceramic	0.0047 μ F 50 V
C3	Ceramic	220 pF 50 V
C4	Ceramic	220 pF 50 V
C5	Ceramic	0.0047 μ F 50 V
C6	Electrolytic	1000 μ F 16 V MS16
C7	Ceramic	0.0047 μ F 50 V
C8	Ceramic	0.0047 μ F 50 V
C9	Ceramic	0.0047 μ F 50 V
C10	Ceramic	0.0047 μ F 50 V
C11	Ceramic	0.0047 μ F 50 V
C12	Ceramic	0.0047 μ F 50 V
C13	Ceramic	0.0047 μ F 50 V
C14	Electrolytic	47 μ F 25 V SS
C15	Ceramic	0.0047 μ F 50 V
C16	Ceramic	0.0047 μ F 50 V
C17	Ceramic	0.0047 μ F 50 V
C18	Ceramic	0.0047 μ F 50 V

[CTRL UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
C19	Ceramic	0.0047 μ F 50 V
C21	Ceramic	0.0047 μ F 50 V
C22	Ceramic	0.0047 μ F 50 V
C23	Ceramic	0.0047 μ F 50 V
C24	Ceramic	0.0047 μ F 50 V
C25	Ceramic	0.0047 μ F 50 V
C26	Ceramic	0.0047 μ F 50 V
C27	Barrier	0.0047 μ F 25 V
C28	Ceramic	0.0047 μ F 50 V
C29	Ceramic	0.0047 μ F 50 V
C30	Ceramic	0.0047 μ F 50 V
C31	Electrolytic	0.47 μ F 50 V SS
C32	Electrolytic	47 μ F 25 V SS
J1	Connector	B10B-EH-S
J2	Connector	B05B-EH-S
J3	Connector	B05B-EH-S
J4	Connector	B03B-EH-S
J5	Connector	TSL-P03P-V2
J6	Connector	LLR-6
P1	Connector	1490R-1
S1	Switch	SPRJ31
S2	Switch	SPRJ31
F1	Fuse	F.G.M.B 250 V 3 A
F2	Holder	F-429
EP1	P.C. Board	B-1662A
EP2	Ferrite Bead	FSOH070RN
EP5	Ferrite Bead	FSOH050RN
EP6	Ferrite Bead	FSOH070RN

[PA UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
Q1	Transistor	2SC1971
Q2	Transistor	2SC1971
Q3	Transistor	2SC1972
Q4	Transistor	2SC1972
Q5	Transistor	2SC1449
Q6	Transistor	2SC2782
Q7	Transistor	2SC2782
Q8	Transistor	2SD1406
D1	Diode	MV5W
D2	Diode	MV5
D3	Diode	MV5
D4	Diode	MV5W
L1	Coil	LR-179
L2	Coil	LR-129
L3	Coil	BT01RN1-A61
L4	Coil	LR-180
L5	Coil	LR-189
L6	Coil	BT01RN1-A61
L7	Coil	BT01RN1-A61
L8	Coil	BT01RN1-A61
L9	Coil	BT01RN1-A61

[PA UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
L10	Coil	LR-83
L11	Coil	LR-190
L14	Coil	BT01RN1-A61
R1	Resistor	56 Ω R20
R2	Resistor	220 Ω R25
R3	Resistor	15 Ω R25
R4	Resistor	220 Ω R25
R5	Trimmer	330 Ω RH0651CN2J02A
R6	Resistor	150 Ω ELR25
R7	Resistor	120 Ω ELR25
R8	Trimmer	330 Ω RH0651CN2J02A
R10	Resistor	100 Ω R20
R11	Resistor	100 Ω R20
R12	Resistor	220 Ω R25
R13	Resistor	220 Ω R25
R14	Resistor	3.3 Ω R50X
R15	Resistor	3.3 Ω R50X
R16	Resistor	3.3 Ω R50X
R17	Resistor	3.3 Ω R50X
R18	Resistor	10 Ω R50X
R19	Resistor	10 Ω R50X
R20	Resistor	3.3 Ω R50X
R21	Resistor	3.3 Ω R50X
R22	Resistor	10 Ω R50X
R23	Trimmer	470 Ω RH0651CS2J1HA
R24	Resistor	150 Ω ELR25
R25	Thermistor	35D45
R26	Resistor	0.15 Ω RGB2L-R15
R27	Resistor	2.7 Ω ELR25
R28	Resistor	100 Ω ELR20
R29	Resistor	100 Ω ELR20
R30	Resistor	150 Ω CRH200 R-02J
R32	Resistor	39 k Ω R25
C1	Trimmer	50 pF CV05E5001
C2	Ceramic	27 pF 50 V
C3	Ceramic	0.0047 μ F 50 V
C4	Barrier Layer	0.0047 μ F 25 V
C5	Ceramic	0.0047 μ F 50 V
C6	Ceramic	220 pF 50 V
C7	Ceramic	0.0047 μ F 50 V
C8	Electrolytic	10 μ F 16 V SS
C9	Ceramic	0.0047 μ F 50 V
C10	Ceramic	220 pF 50 V
C11	Ceramic	0.0047 μ F 50 V
C12	Ceramic	0.0047 μ F 50 V
C13	Ceramic	220 pF 50 V
C14	Ceramic	100 pF 50 V
C15	Ceramic	0.0047 μ F 50 V
C16	Electrolytic	100 μ F 16 V SS
C17	Ceramic	0.0047 μ F 50 V
C18	Electrolytic	47 μ F 25 V SS
C19	Ceramic	0.0047 μ F 50 V
C20	Ceramic	100 pF 500 V
C21	Ceramic	0.0047 μ F 50 V
C22	Ceramic	0.0047 μ F 50 V
C25	Ceramic	56 pF 500 V
C26	Ceramic	47 pF 500 V
C29	Barrier Layer	0.0047 μ F 25 V
C30	Ceramic	220 pF 50 V
C31	Ceramic	0.0047 μ F 50 V
C32	Ceramic	220 pF 50 V
C33	Ceramic	0.0047 μ F 50 V
C34	Electrolytic	10 μ F 16 V SS
C35	Dip Mica	680 pF DM19C681J51CR
C37	Ceramic	0.001 μ F 500 V
C38	Ceramic	0.001 μ F 500 V
C39	Ceramic	0.0039 μ F GR44CH392K
C40	Ceramic	0.0039 μ F GR44CH392K
C41	Ceramic	33 pF 500 V
C42	Ceramic	33 pF 500 V
C43	Dip Mica	470 pF DM19C471J51CR

[PA UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
C44	Ceramic	47 pF 500 V
C45	Ceramic	0.0047 μF 50 V
C46	Ceramic	220 pF 50 V
C47	Ceramic	220 pF 1 KV DE0905 SL 221J
C48	Ceramic	0.0047 μF 50 V
C49	Ceramic	220 pF 50 V
C50	Electrolytic	1000 μF 16 V MS16
C51	Barrier Layer	0.047 μF 25 V
C52	Tantalum	10 μF 35 V DN
J1	Connector	TLB-P06H-B1
P1	Connector	TMP-P01X-A1
P2	Connector	TMP-P01X-A1
P3	Connector	EHR-05
P4	Connector	EHR-03
P5	Connector	EHR-03
P6	Connector	SMR-10V-B
P7	Connector	EHR-10
P8	Connector	EHR-03
S1	Thermal	OHD3-80B
SP1	Speaker	C065K12I0810
MF1	Motor	HMK2805-01-130
EP1	P.C. Board	B-1660C
EP2	Ferrite Bead	FSOH050RN01
EP10	Ferrite Bead	FSOH070RN
W1	Jumper	JPW-02A
W2	Jumper	JPW-02A
W3	Jumper	JPW-02A
W4	Jumper	JPW-02A
W5	Jumper	JPW-02A
W6	Jumper	JPW-02H
W7	Jumper	JPW-02H

[FILTER UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
L3	Coil	LA-215
L4	Coil	LA-196
L5	Coil	LA-197
L6	Coil	LA-197
L7	Coil	LA-163
L8	Coil	LA-255
L10	Coil	LAL03NA 101K 100μ
L11	Coil	LAL04NA 100K 10μ
L12	Coil	LAL02KR R39M 0.39μ
L13	Coil	LAL02KR R39M 0.39μ
L14	Coil	LAL03NA 101K 100μ
L15	Coil	LAL03NA R56M 0.56μ
L16	Coil	LR-116
L17	Coil	LAL03NA 101K 100μ
L18	Coil	LAL03NA 101K 100μ
L19	Coil	LAL03NA 101K 100μ
L20	Coil	LAL03NA 101K 100μ
L21	Coil	LAL03NA 100K 10μ
L22	Coil	LAL03NA 101K 100μ
L23	Coil	LAL03NA 101K 100μ
L24	Coil	LA-247
L25	Coil	LA-248
L26	Coil	LAL03NA 100K 10μ
R1	Resistor	68 Ω R20
R2	Resistor	22 kΩ R20
R3	Resistor	22 kΩ R20
R4	Resistor	56 kΩ ELR20
R5	Resistor	47 kΩ R20
R6	Resistor	1 kΩ R20
R7	Resistor	1 kΩ ELR20
R8	Resistor	10 kΩ ELR25
R9	Resistor	33 kΩ R20
R10	Absorber	DSA301L
R11	Resistor	1 kΩ ELR20
R12	Resistor	1 kΩ ELR20
R13	Resistor	22 Ω R20
R14	Resistor	2.2 kΩ ELR20
R15	Resistor	10 Ω R20
R16	Resistor	470 Ω ELR20
R17	Resistor	2.2 kΩ ELR20
R18	Resistor	1 kΩ ELR20
R19	Resistor	470 Ω R20
R21	Resistor	10 Ω R20
C1	Ceramic	30 pF 500 V
C2	Ceramic	18 pF 500 V
C3	Ceramic	75 pF 500 V
C4	Ceramic	15 pF 500 V
C5	Ceramic	82 pF 500 V
C6	Ceramic	6 pF 500 V
C7	Ceramic	47 pF 500 V
C8	Ceramic	56 pF 500 V
C9	Ceramic	10 pF 500 V
C10	Ceramic	150 pF 500 V
C11	Ceramic	30 pF 500 V
C12	Ceramic	150 pF 500 V
C13	Ceramic	22 pF 500 V
C14	Ceramic	75 pF 500 V
C15	Ceramic	0.0047 μF 50 V
C16	Ceramic	0.0047 μF 50 V
C17	Trimmer	6 pF CV05A0601
C18	Ceramic	100 pF 50 V
C19	Ceramic	120 pF 50 V
C22	Ceramic	0.0022 μF 500 V
C23	Ceramic	0.0047 μF 50 V
C24	Barrier Layer	0.0047 μF 25 V
C25	Ceramic	15 pF 500 V
C28	Barrier Layer	0.0047 μF 25 V
C29	Mylar	0.1 μF 50 V F2D
C30	Ceramic	220 pF 50 V
C31	Ceramic	220 pF 50 V
C32	Ceramic	0.0047 μF 50 V

[FILTER UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
Q1	FET	2SK152
Q2	Transistor	RN2202
D1	Diode	1SS237
D2	Diode	1SS237
D3	Diode	1N4002
D4	Diode	MI301
D5	Diode	1SS53
D6	Diode	1SS53
D7	Diode	1SS53
D8	Diode	1SS53
D9	Diode	MI301
D10	Diode	1N4002
L1	Coil	LA-214
L2	Coil	LA-215

[FILTER UNIT] (IC-575H ONLY)

REF. NO.	DESCRIPTION	PART NO.
C34	Ceramic	15 pF 500 V
C35	Ceramic	120 pF GRM40
C36	Ceramic	330 pF GRM40
C37	Barrier Layer	0.0047 μ F 25 V
C38	Barrier Layer	0.0047 μ F 25 V
C39	Ceramic	0.0047 μ F 50 V
C40	Ceramic	0.0047 μ F 50 V
C41	Ceramic	0.001 μ F 50 V
C42	Ceramic	0.0047 μ F 50 V
C43	Barrier Layer	0.0047 μ F 25 V
C44	Barrier Layer	0.0047 μ F 25 V
C45	Ceramic	30 pF 50 V
C46	Barrier Layer	0.0047 μ F 25 V
C47	Ceramic	0.0047 μ F 50 V
C48	Barrier Layer	0.0047 μ F 25 V
C49	Barrier Layer	0.0047 μ F 25 V
C50	Barrier Layer	0.0047 μ F 25 V
C51	Barrier Layer	0.0047 μ F 25 V
C52	Ceramic	18 pF 500 V
C53	Ceramic	6 pF 50 V
C54	Ceramic	2 pF 500 V
C55	Ceramic	0.001 μ F GRM40
C56	Ceramic	56 pF GRM40
C57	Ceramic	6 pF GRM40
C58	Ceramic	33 pF GRM40
C59	Ceramic	56 pF GRM40
C60	Ceramic	18 pF GRM40
C61	Ceramic	47 pF GRM40
RL1	Relay	NR-HD-12V
RL2	Relay	NR-HD-12V
RL3	Relay	NR-HD-6V
J1	Connector	TMP-J01X-A2
J2	Connector	MR-DSE-01
J3	Connector	B03B-EH-S
J4	Connector	TLB-P05H-B1
P1	Connector	TMP-P01X-A1
P2	Connector	EHR-05
EP1	P.C. Board	B-1661A (FILTER)
EP2	P.C. Board	B-1724A (BPF)
W1	Jumper	JPW-02A
W2	Jumper	JPW-02H
W3	Jumper	JPW-02H
W4	Jumper	JPW-02H
W5	Jumper	JPW-02H
W6	Jumper	JPW-02H
W7	Jumper	JPW-02H

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