

ICOM

**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 |

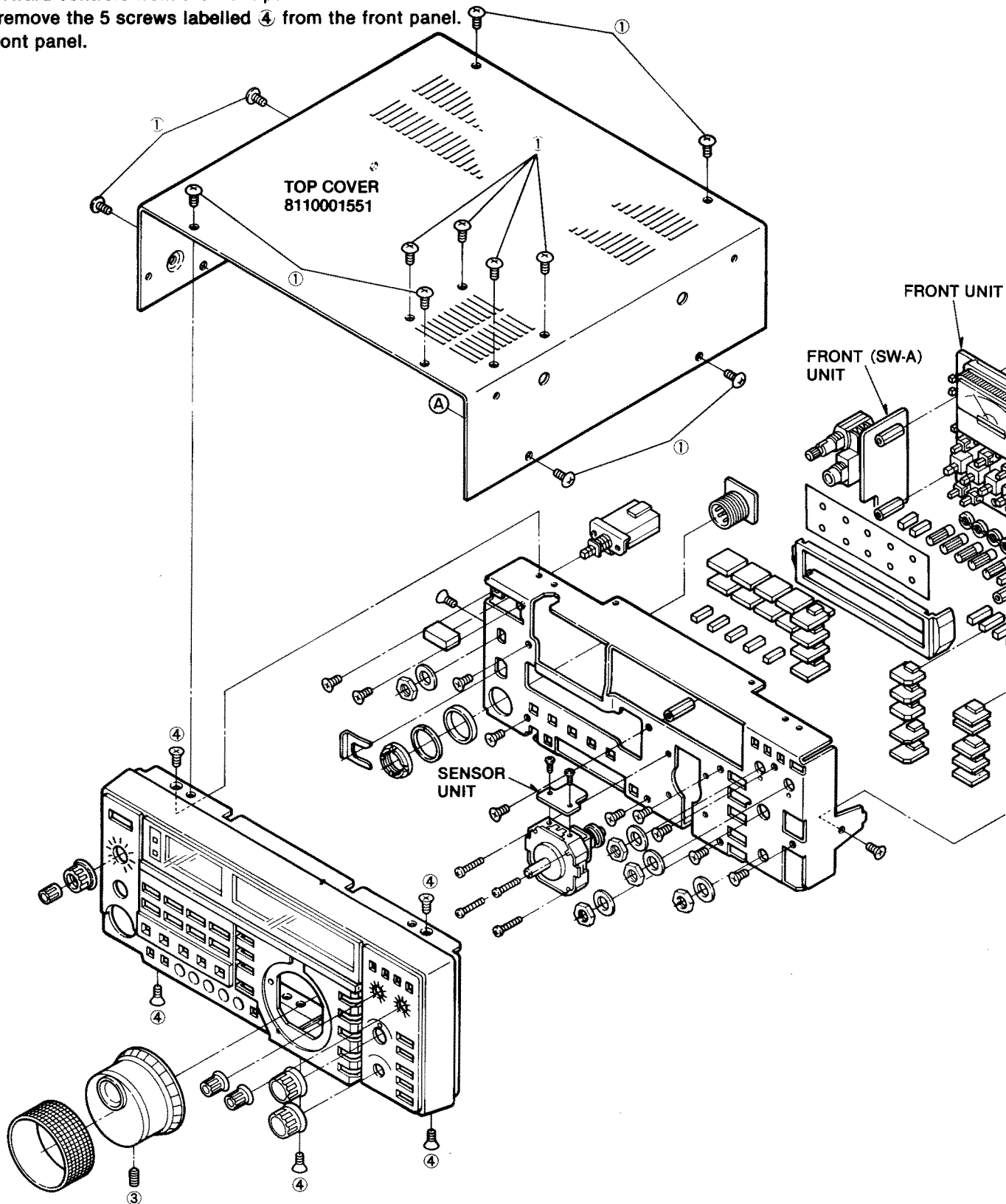
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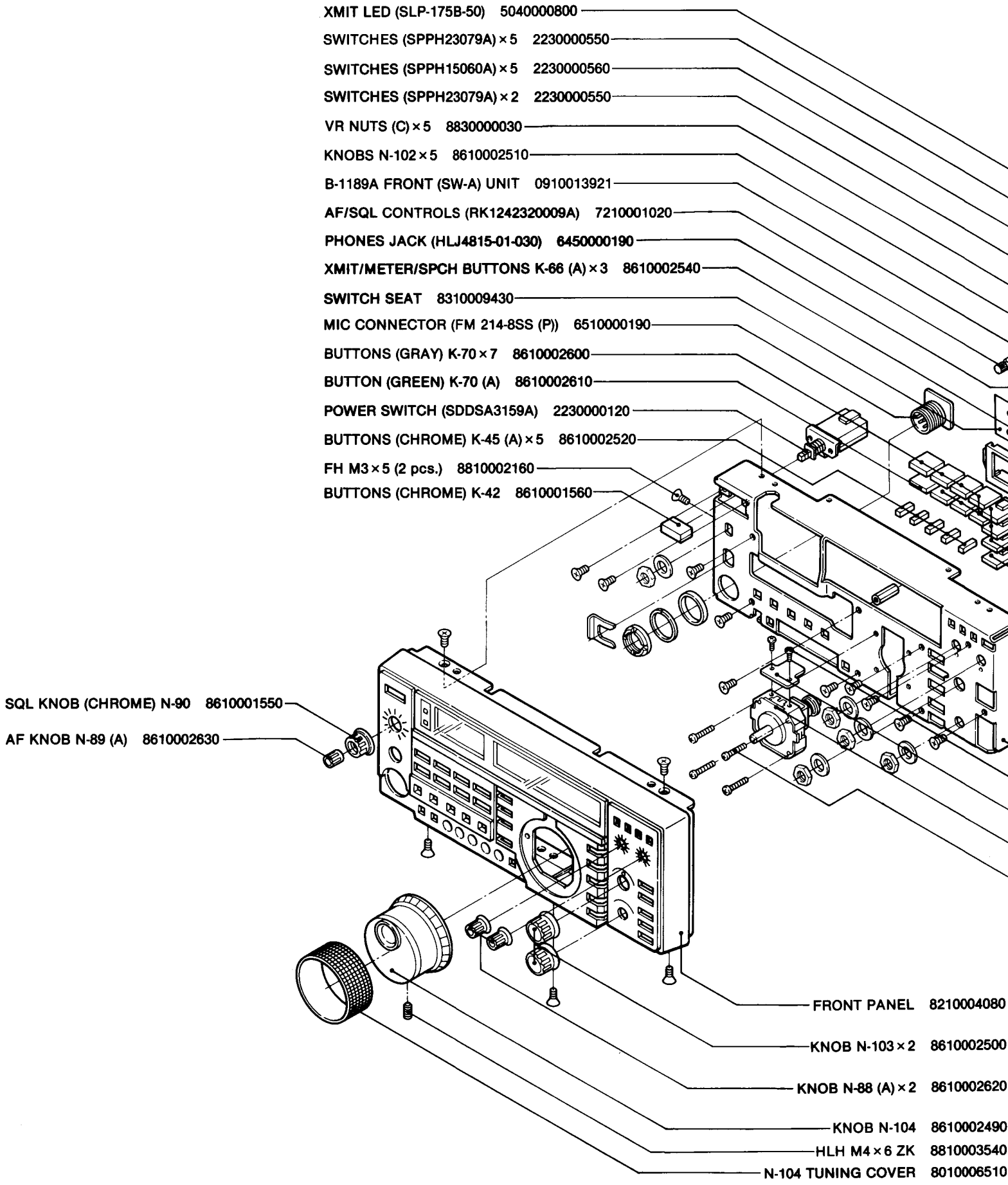
SECTION 1 MECHANICAL PARTS AND DISASSEMBLY

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.



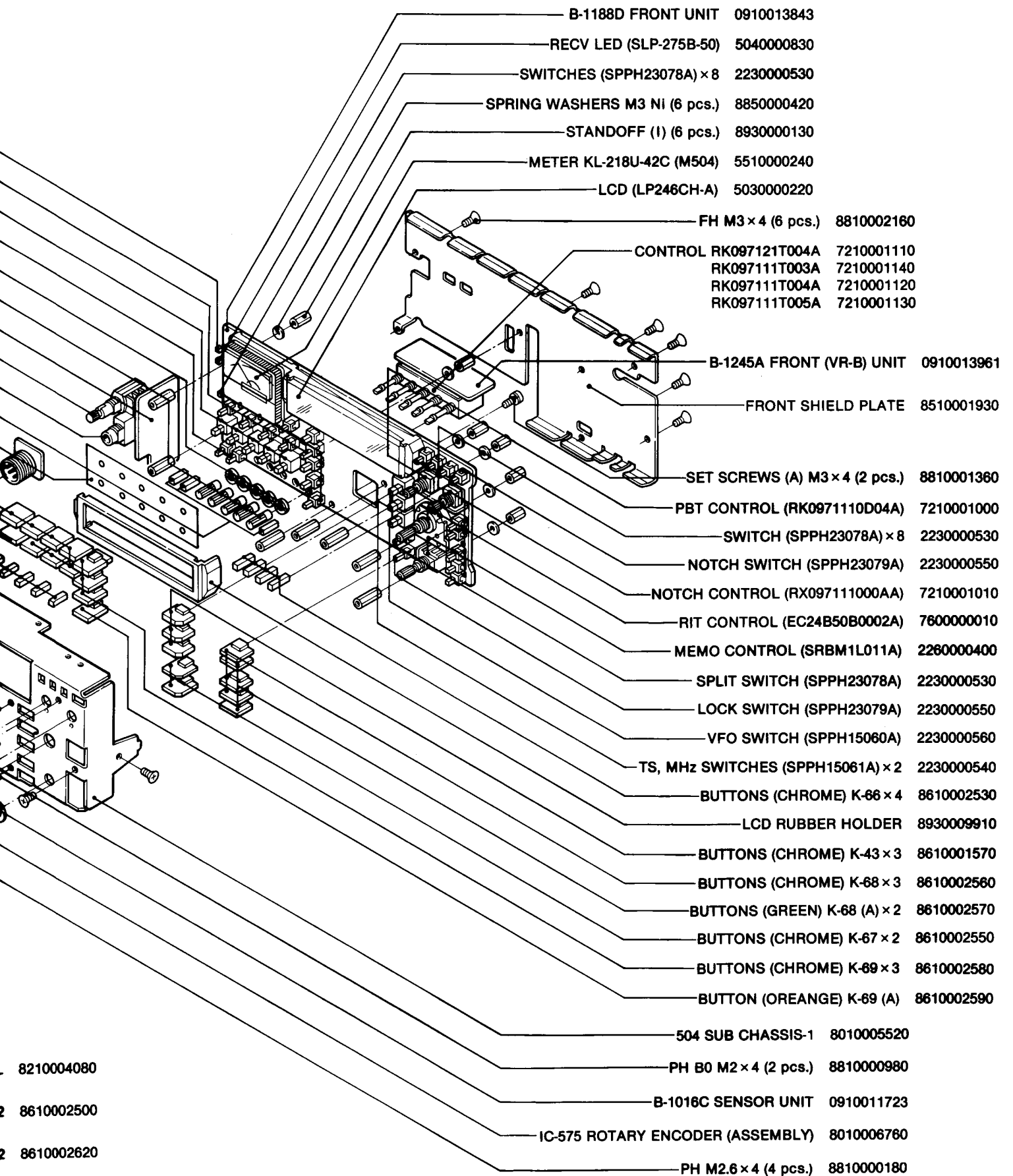
1-2 FRONT PANEL DISASSEMBLY



- 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

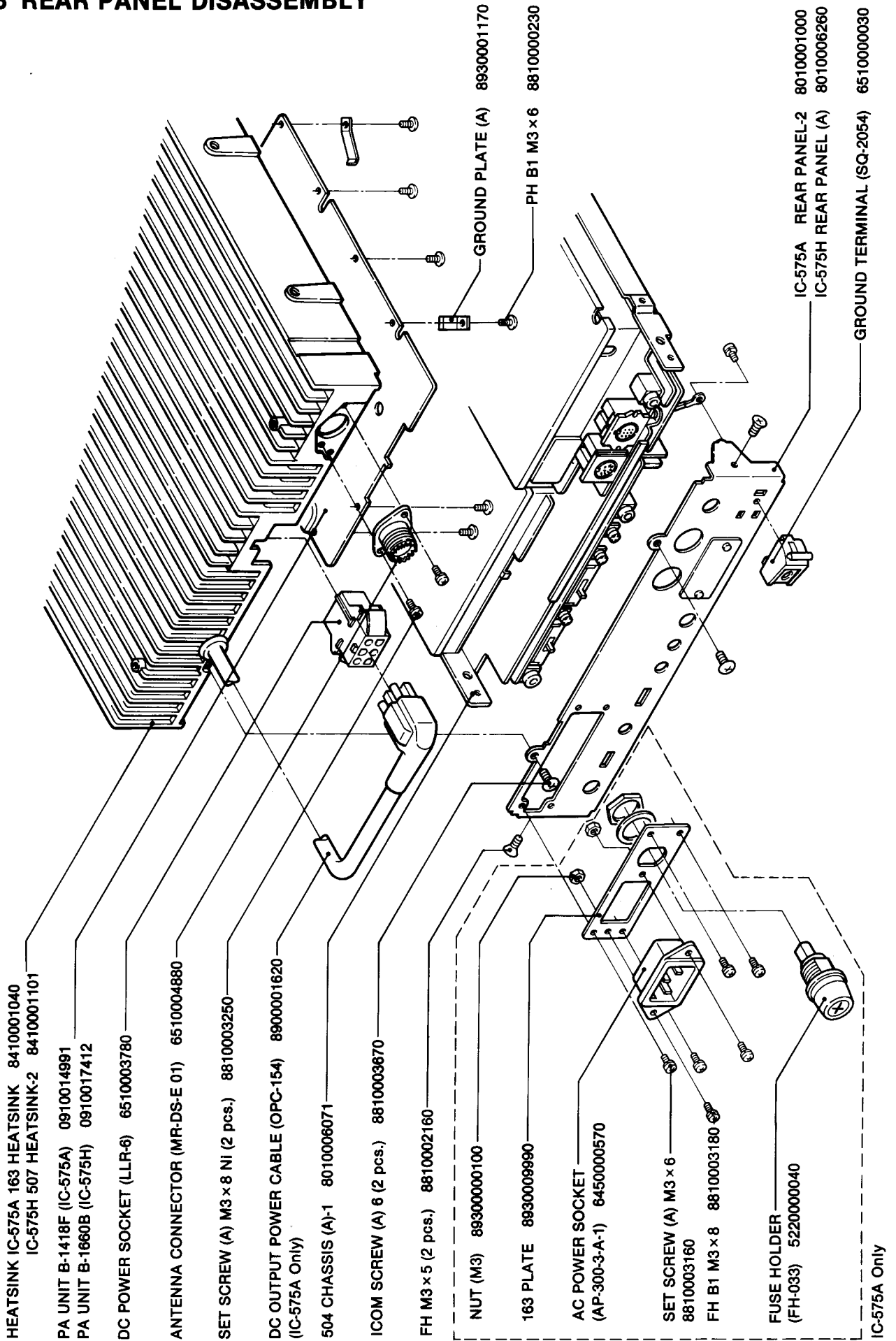
- FRONT PANEL 8210004080
- KNOB N-103 × 2 8610002500
- KNOB N-88 (A) × 2 8610002620
- KNOB N-104 8610002490
- HLH M4 × 6 ZK 8810003540
- N-104 TUNING COVER 8010006510



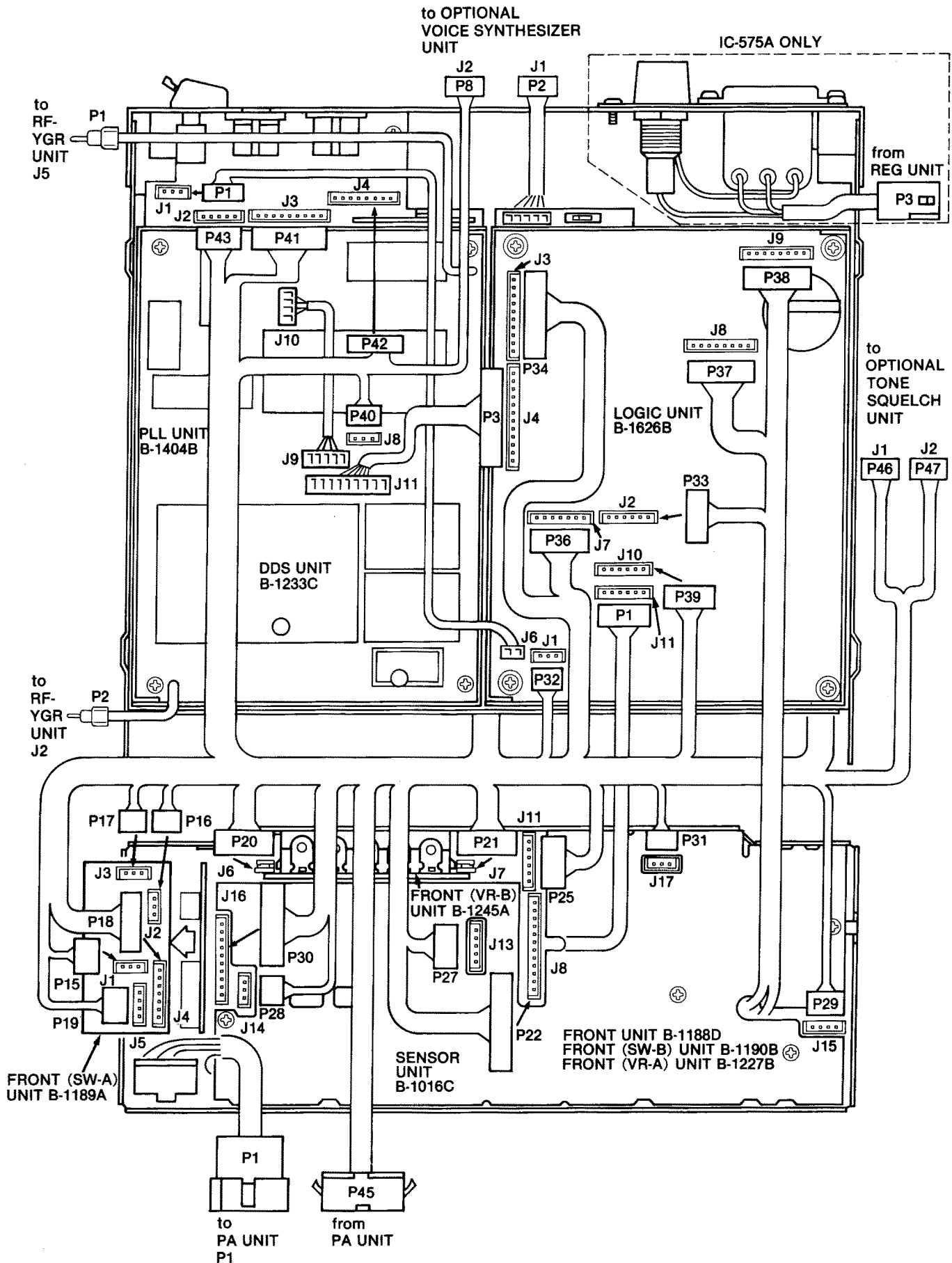
8210004080
 2 8610002500
 2 8610002620
 4 8610002490
 K 8810003540
 R 8010006510

* 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

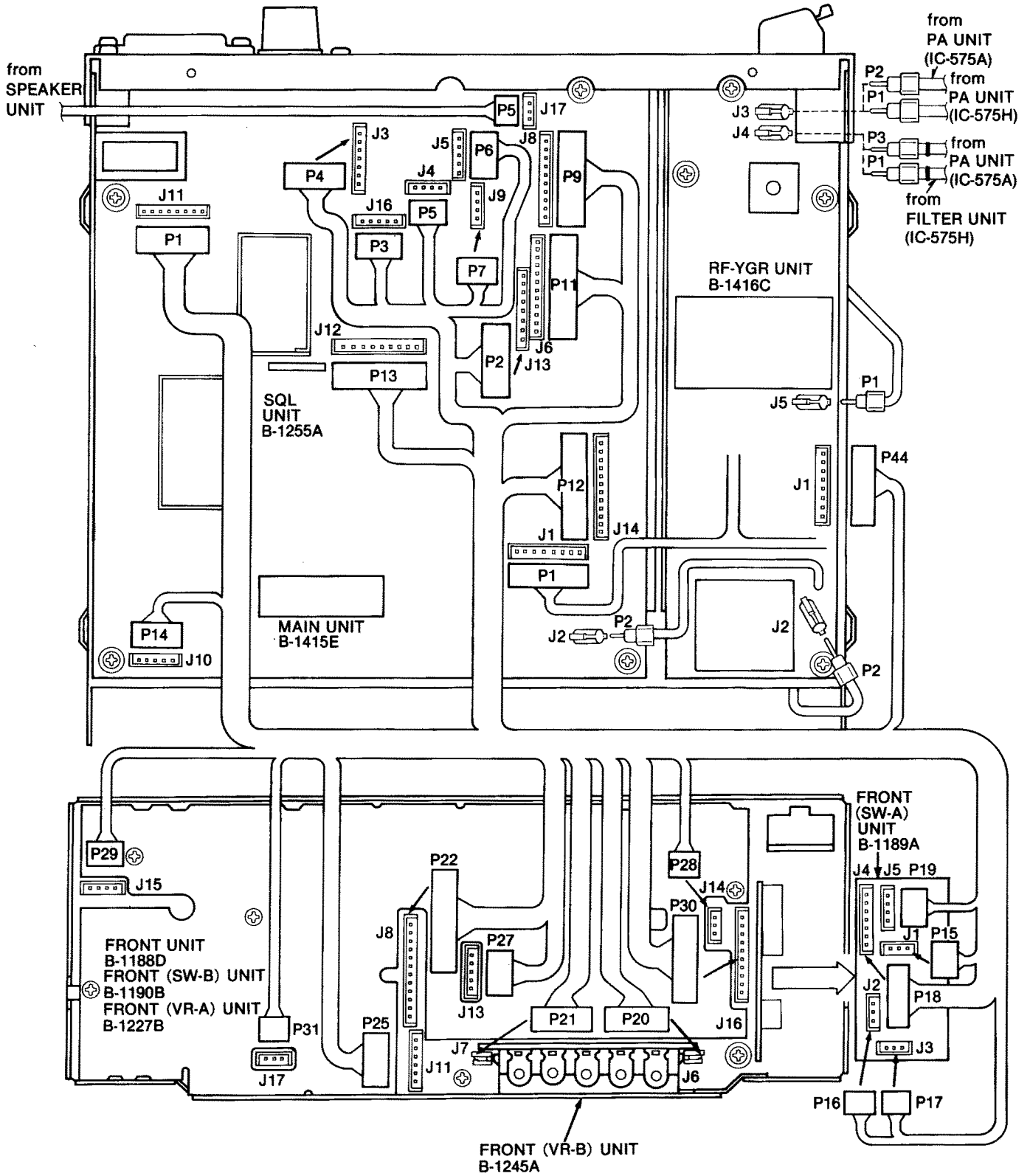
1-3 REAR PANEL DISASSEMBLY



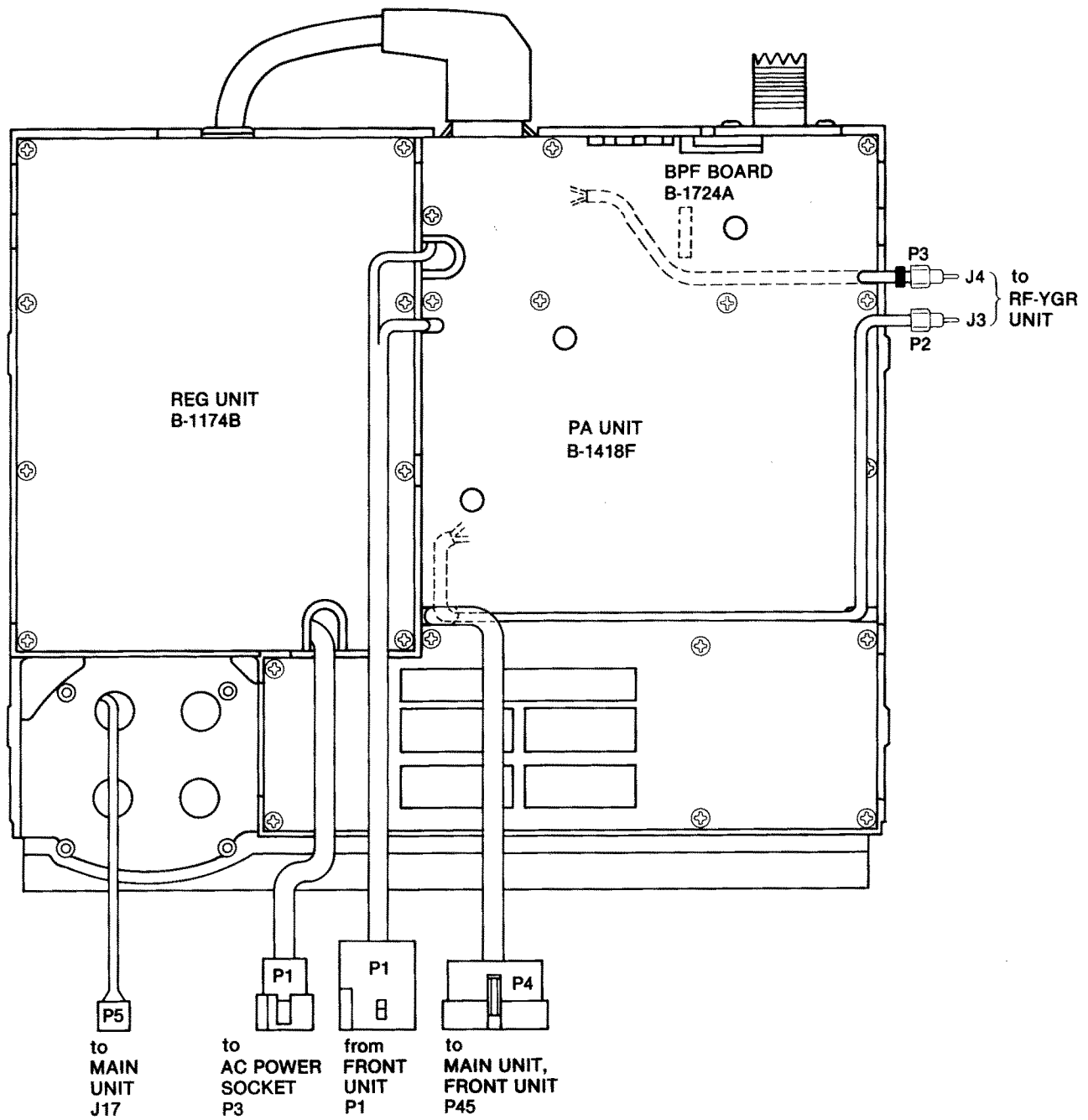
1-4 FRONT, LOGIC AND PLL UNITS CONNECTOR ASSEMBLY



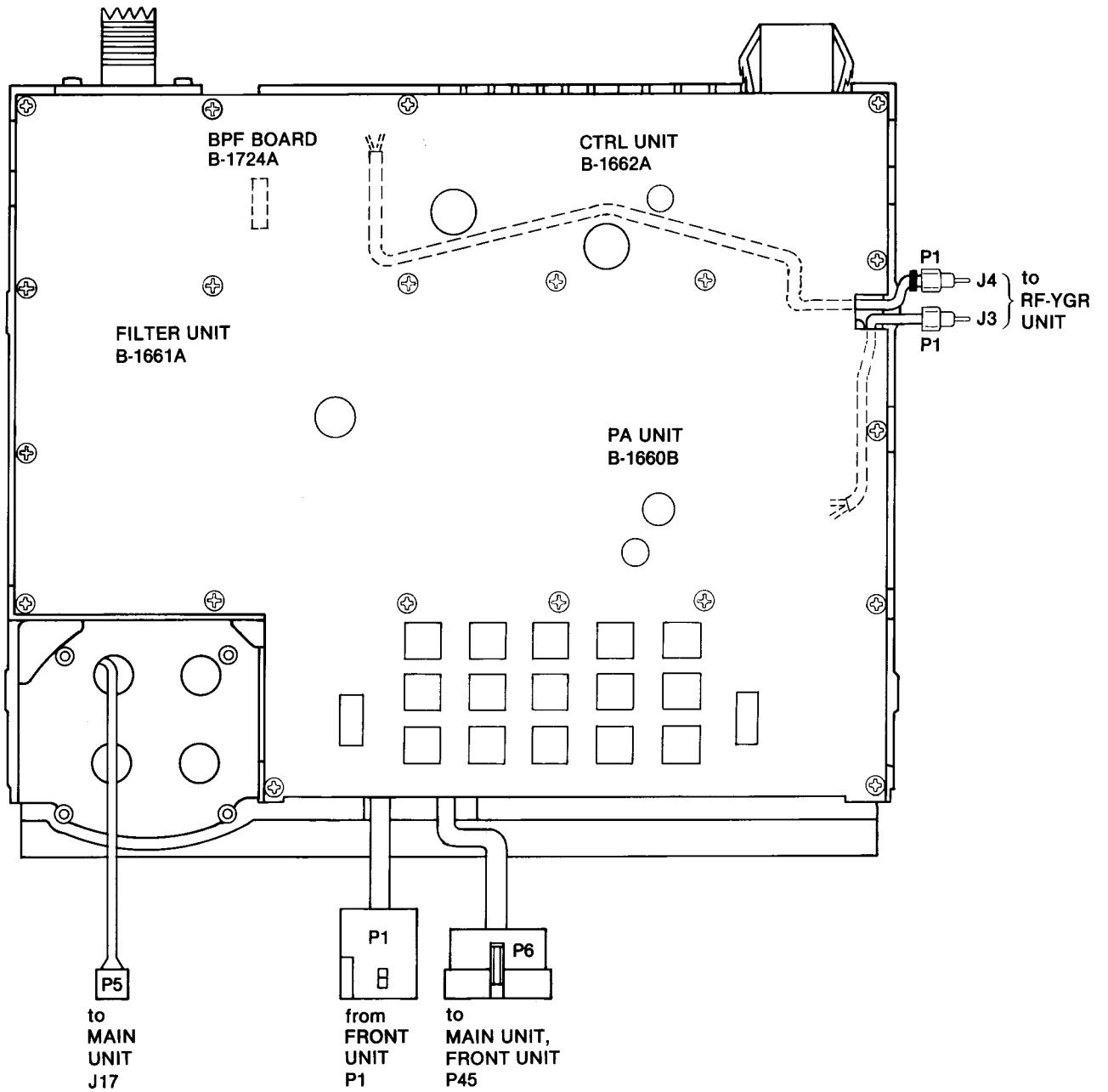
1-5 FRONT, MAIN AND RF-YGR UNITS CONNECTOR ASSEMBLY



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.

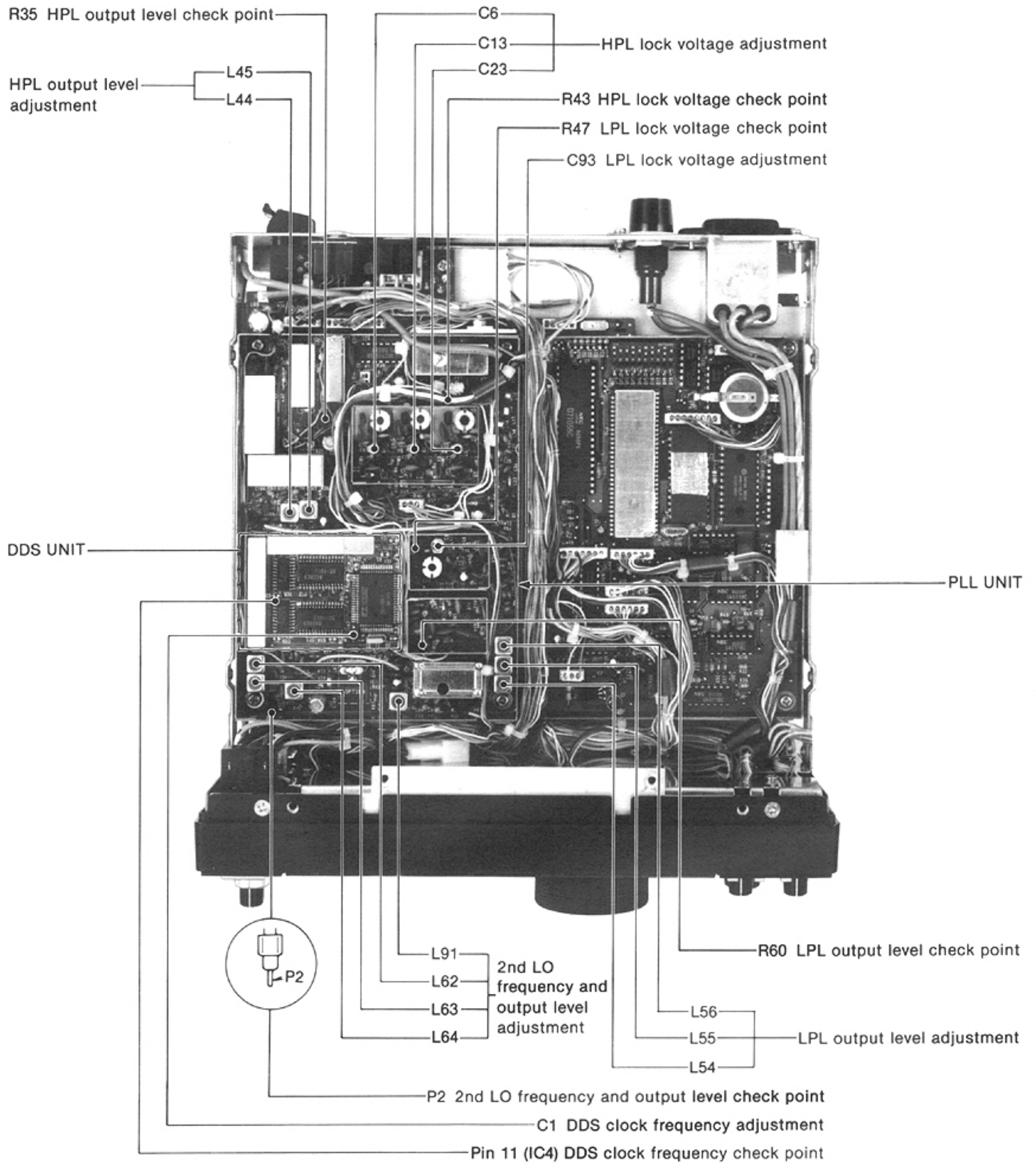
2-2 REQUIRED TEST EQUIPMENTS

| 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 | External speaker | Impedance : 8 Ω |
| | Frequency range : 25~60 MHz | Ohm meter | Measuring range : 0.1~100 k Ω |
| | Impedance : 50 Ω | Ammeter | Measurement capability (IC-575A) : 500 mA (IC-575H) : 1 A |
| | SWR : Less than 1.2 : 1 | 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. | | | |
| 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 | | |
| 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

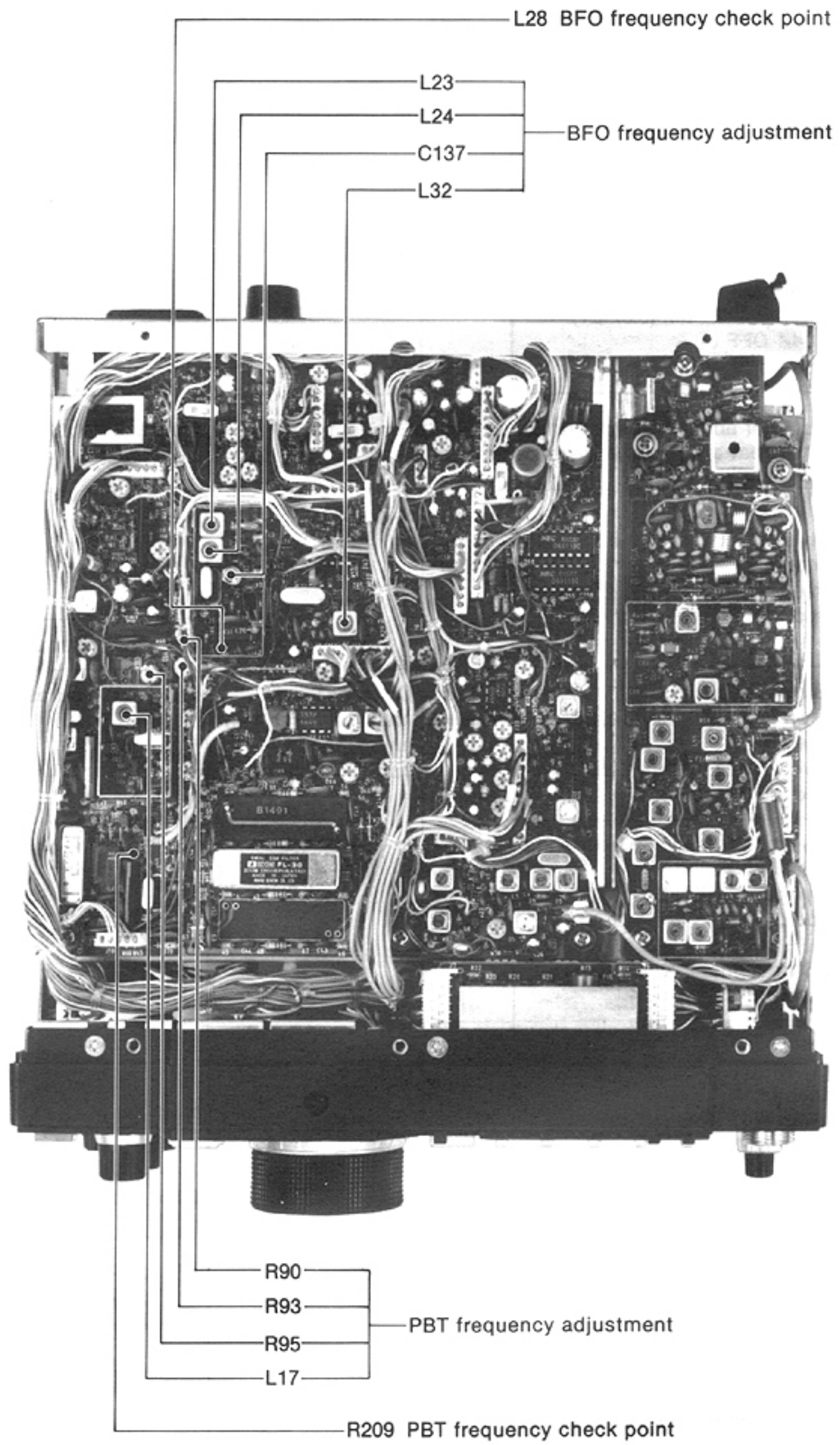


2-4 FREQUENCY ADJUSTMENT

| 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 |

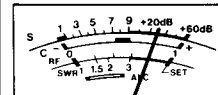
* CCW: Counterclockwise

MAIN UNIT



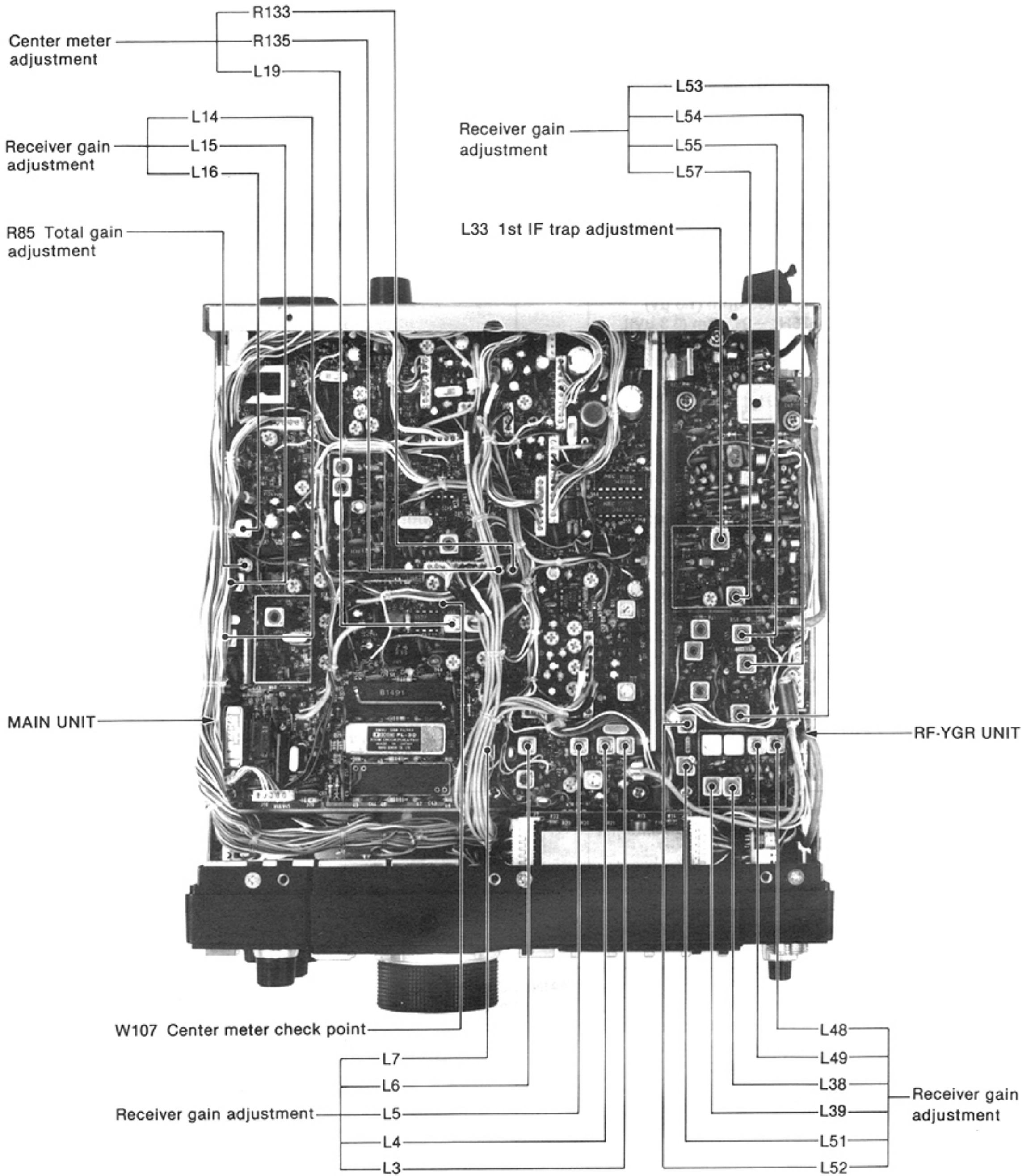
2-5 RECEIVER ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | | |
|---------------|---|---|-------------|---|------------------------|-------------------------|--|
| | | UNIT | LOCATION | | UNIT | ADJUST | |
| RECEIVER GAIN | 1 | <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 |
| | | NOTE: After above adjustment, adjust the SSG output level to -123 dBm (0.16 μV) and repeat above adjustment several times. | | | | | MAIN |
| 1ST IF TRAP | 1 | <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 | |
| | 2 | | | | Minimum (S-scale) | RF-YGR | L33 |
| TOTAL GAIN | 1 | <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 |
| | 2 | <ul style="list-style-type: none"> Apply an RF signal to the antenna connector. Level: -73 dBm (50 μV) Mod.: OFF | | | 20 dB S/N ratio | MAIN | R85 |
| | | <ul style="list-style-type: none"> Apply no signal to the antenna connector. | | | | | |
| CENTER METER | 1 | <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 | Meter | 80 % of full scale | | R135 |
| | | | | | | | |
| | 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. | | | | | | |

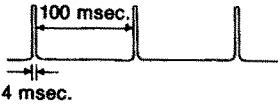


*CW: Clockwise *CCW: Counterclockwise

MAIN AND RF-YGR UNITS

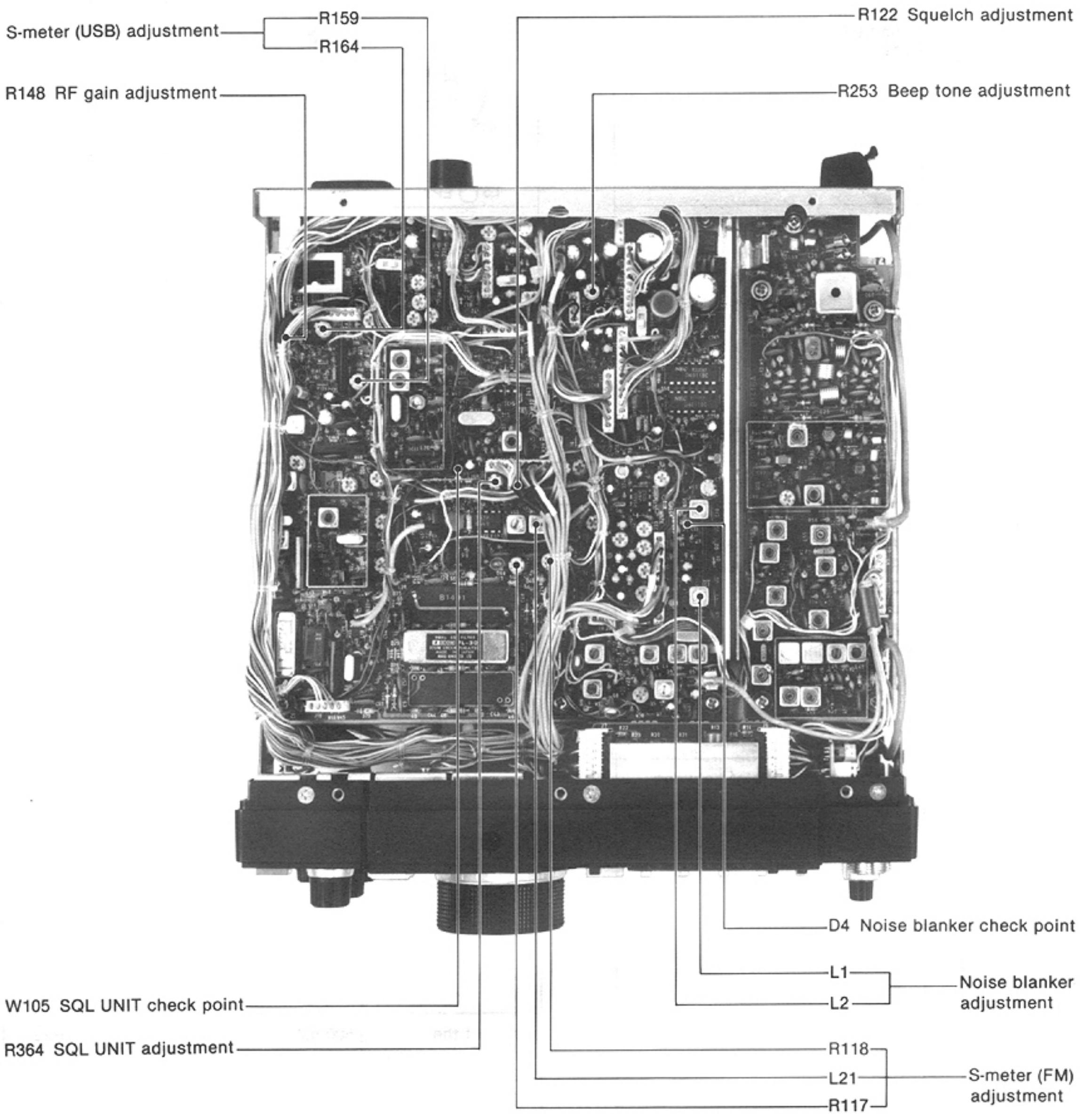


RECEIVER ADJUSTMENT (CONTINUED)

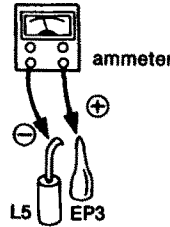
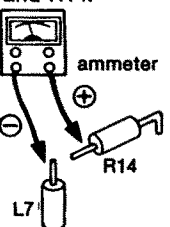
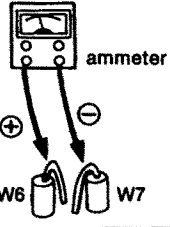
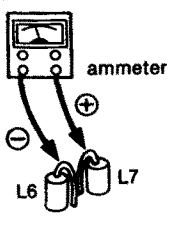
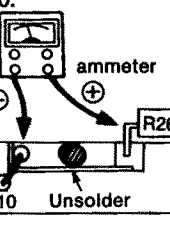
| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|---|--|--|-------------|--|--|------------------|---------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| S-METER | 1 | <ul style="list-style-type: none"> • USB mode • Apply an RF signal to the antenna connector. 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. | 0Ω | 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

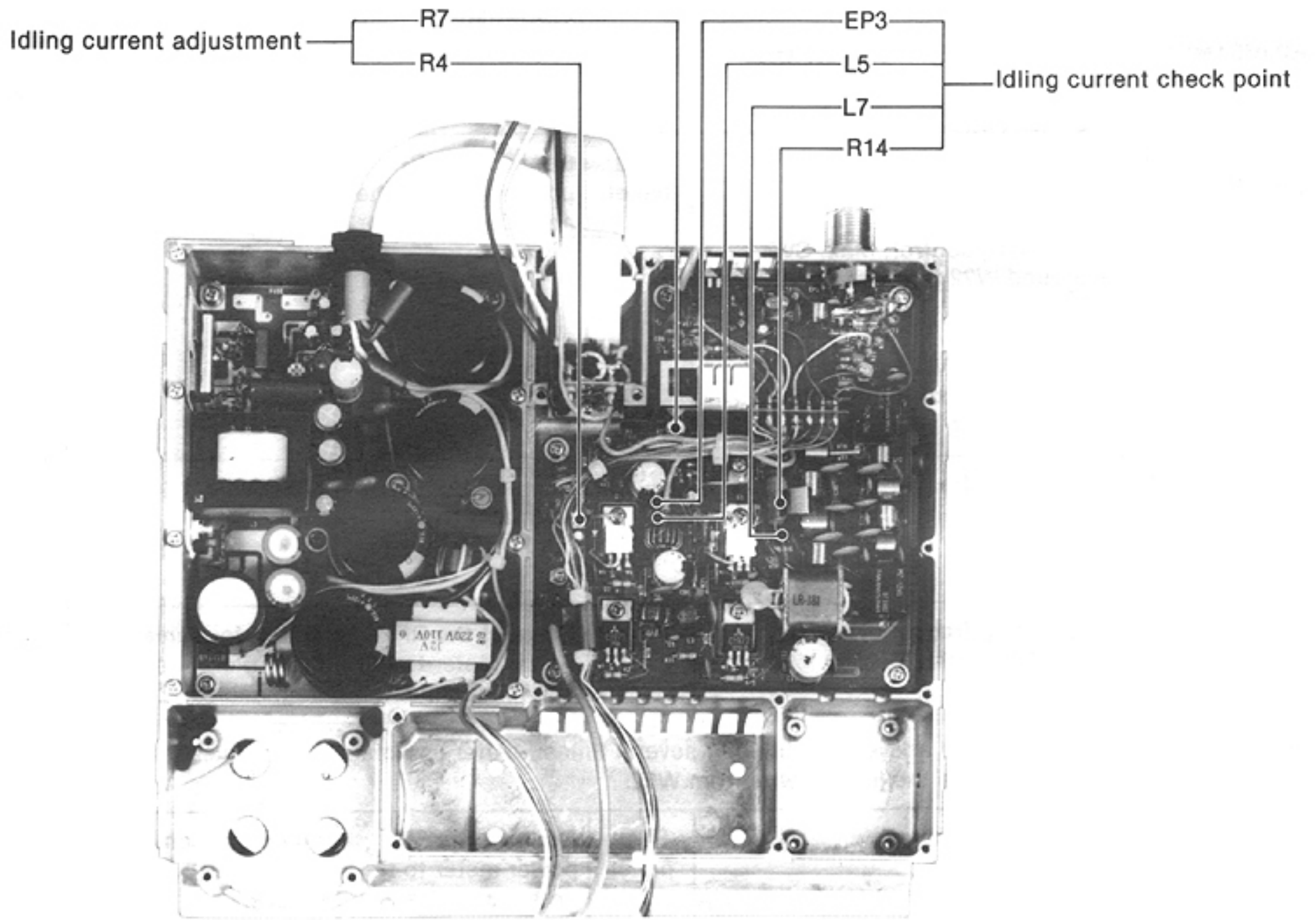


2-6 TRANSMITTER ADJUSTMENT

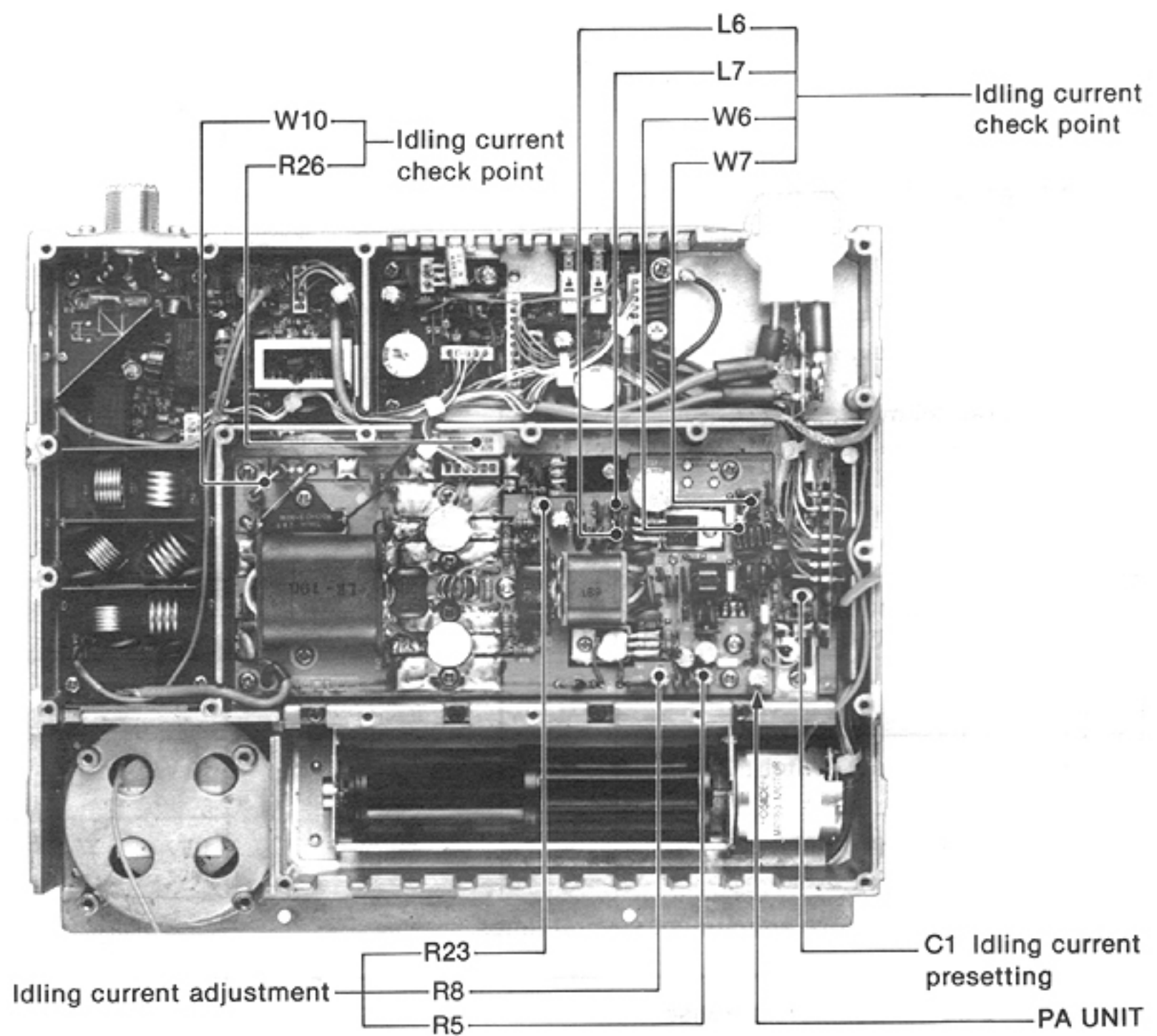
| ADJUSTMENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | | |
|--|-----------------------|-------------|---|---|------------------|--------|-----|
| | | UNIT | LOCATION | | UNIT | ADJUST | |
| IDLING CURRENT (IC-575A) | 1 | PA | <ul style="list-style-type: none"> • USB mode • [MIC GAIN] control: Max. CCW* • Unsolder solder joint between L5 and EP3. • Transmitting | 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 | PA | <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 | 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

PA UNIT (IC-575A)



PA UNIT (IC-575H)

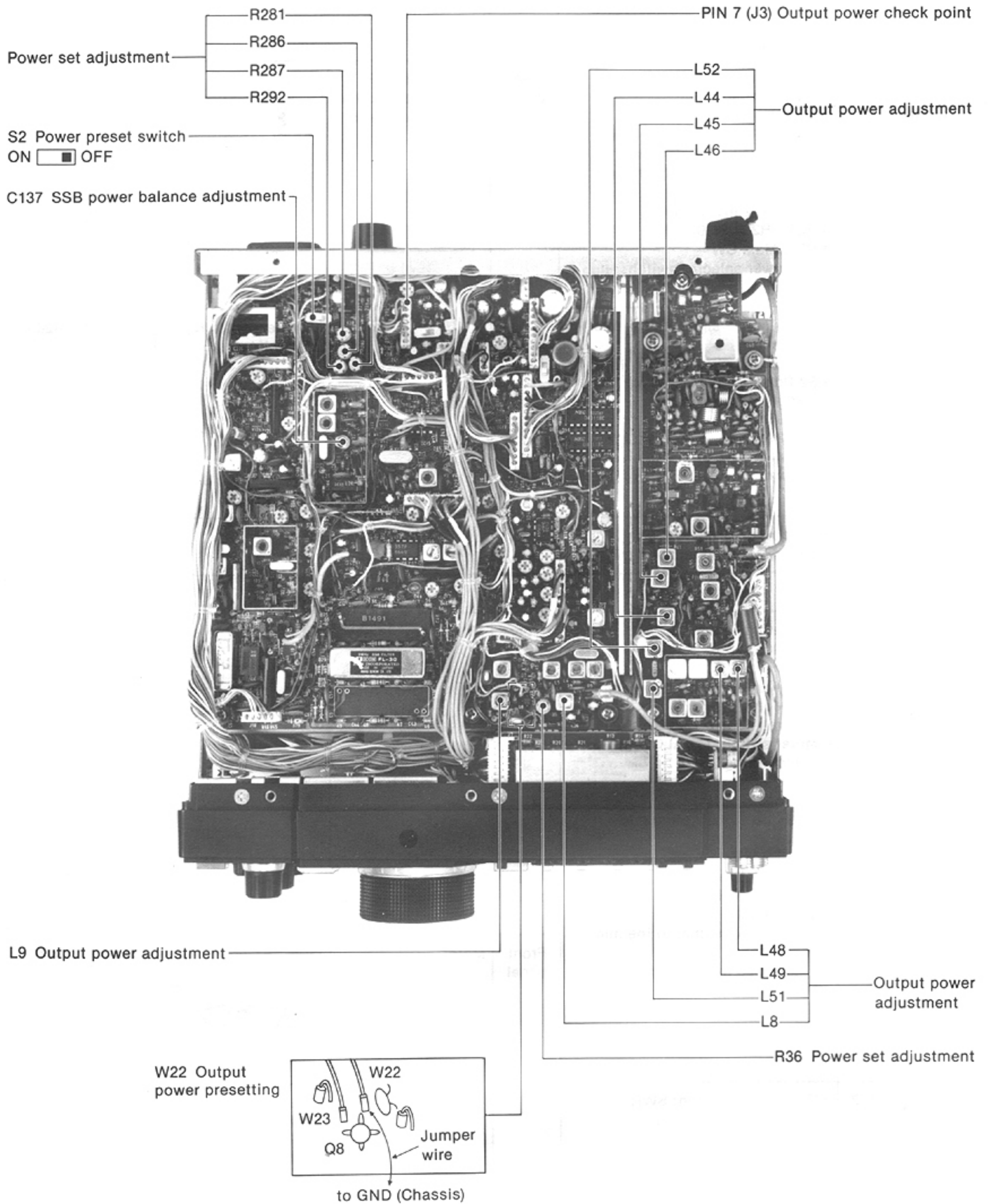


TRANSMITTER ADJUSTMENT (CONTINUED)

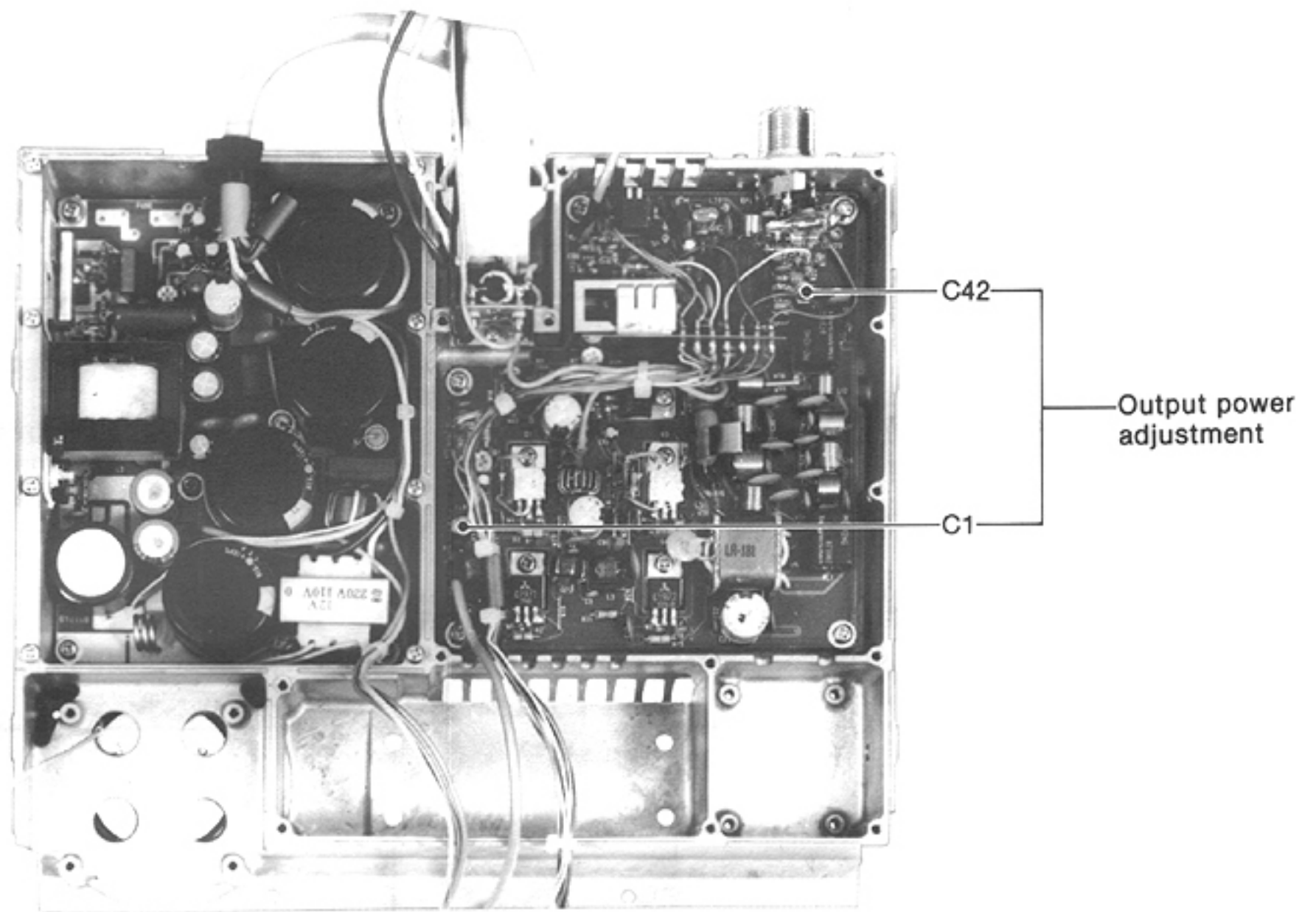
| ADJUSTMENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | | |
|---|--|--|------------|--|---|----------------|---|
| | | UNIT | LOCATION | | UNIT | ADJUST | |
| OUTPUT POWER | 1 | <ul style="list-style-type: none"> Operating frequency: 52.0000 MHz USB mode [RF PWR] control: Max. 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 | S2 Power preset switch: OFF | | | 10 W | | R292 |
| | 6 | [RF PWR] control: Max. CCW* | | | 1 W | | R286 |
| | NOTE: Repeat above adjustment several times. | | | | | | |

*CW: Clockwise *CCW: Counterclockwise

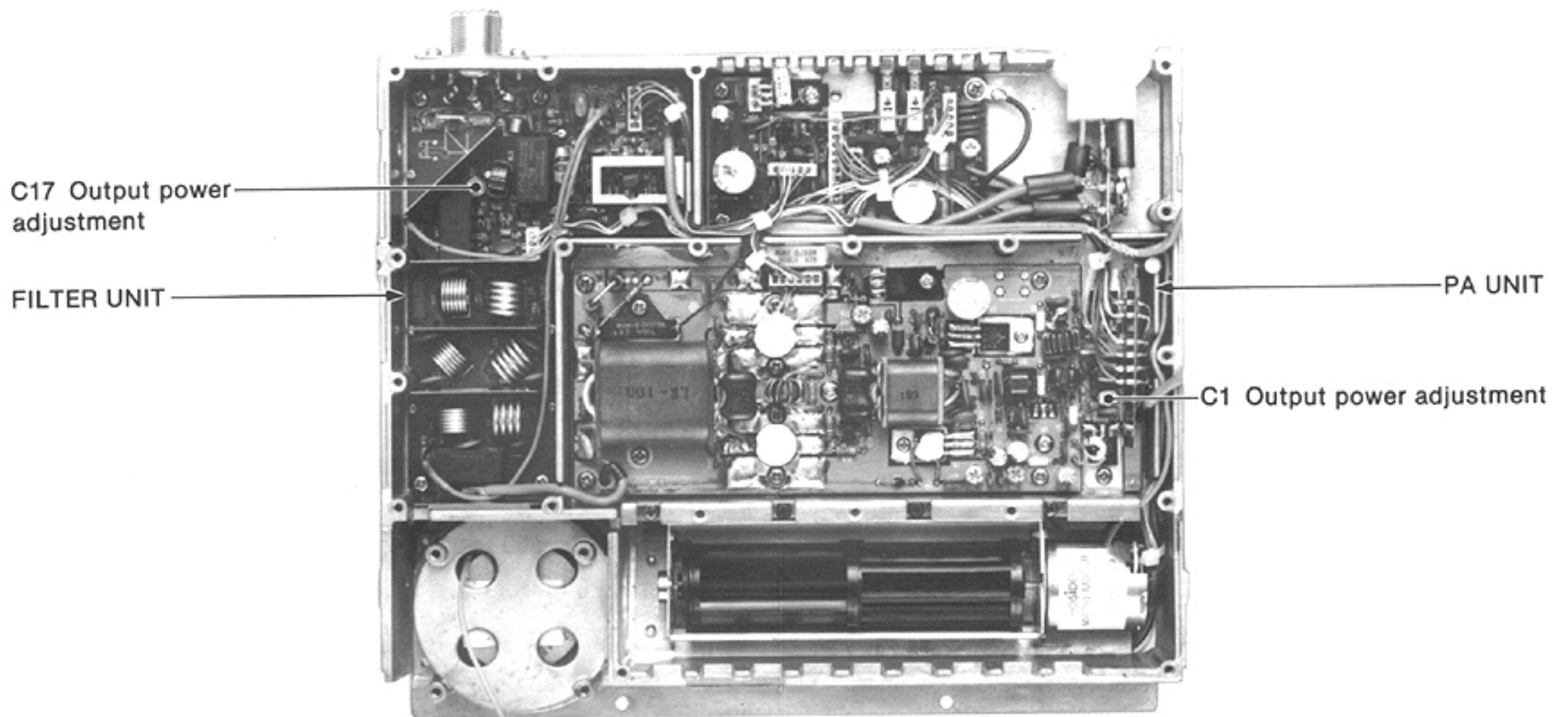
MAIN AND RF-YGR UNITS



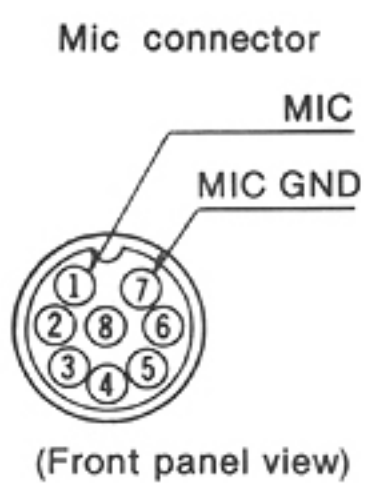
PA UNIT (IC-575A)



PA AND FILTER UNITS (IC-575H)



CONNECTOR INFORMATION

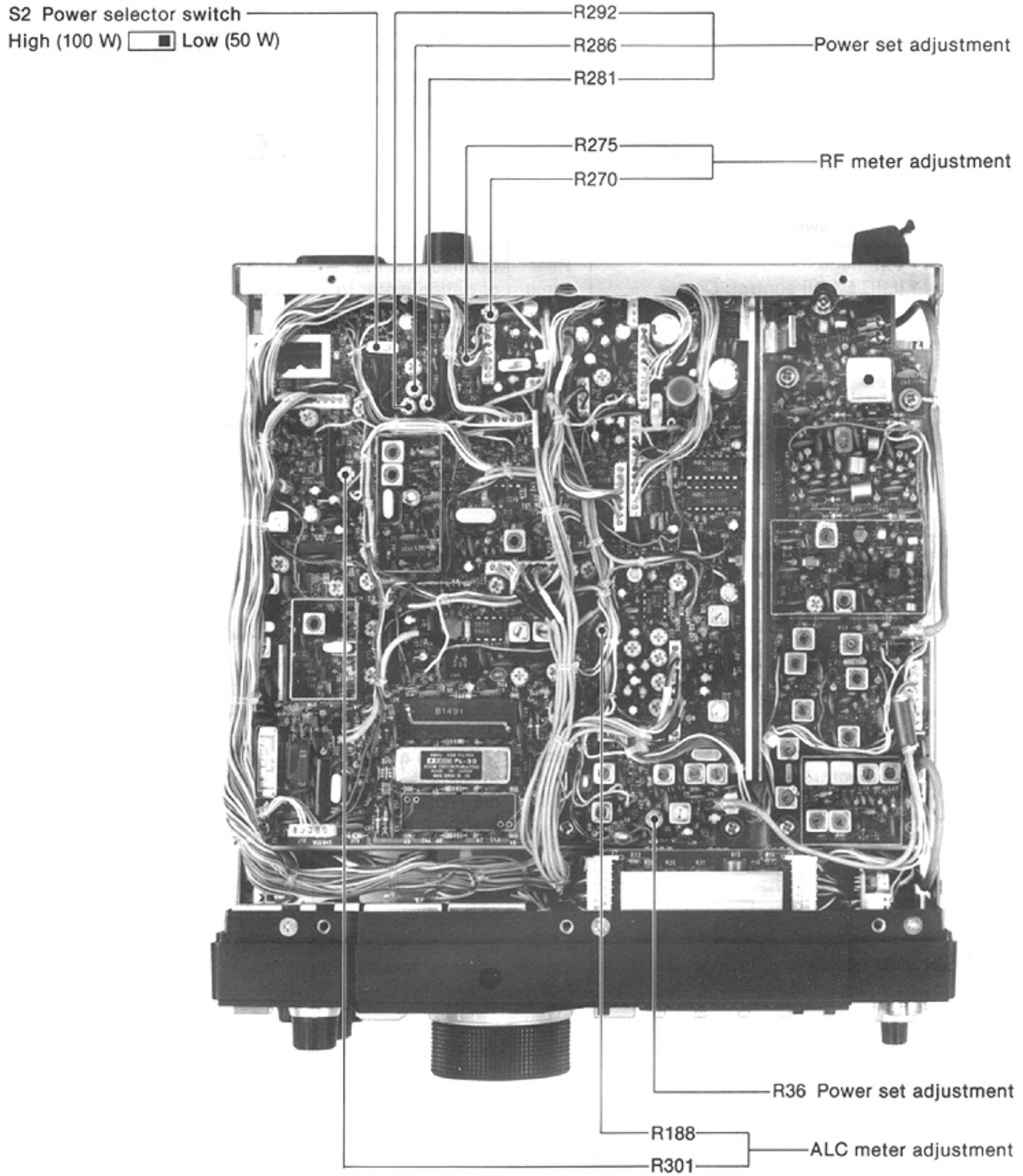


TRANSMITTER ADJUSTMENT (CONTINUED)

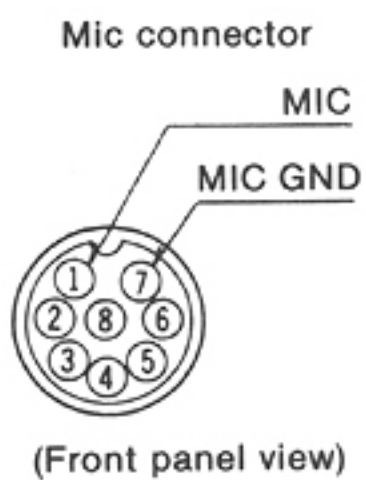
| ADJUSTMENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | | | |
|------------------------|---|--|---|--|---------------------|---------------------------|------------------------------------|--------|
| | | UNIT | LOCATION | | UNIT | ADJUST | | |
| POWER SET (IC-575H) | 1 | <ul 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"> Level: 20 mV/1.5 kHz Meter switch: S • RF [TX-METER] switch: SET Transmitting | | | | | SWR SET position | R275 |
| | (SWR) | 3 | <ul style="list-style-type: none"> [TX-METER] switch: SWR | Front panel | Meter | Less than 1.2 (SWR scale) | MAIN | Verify |
| | (RF) | 4 | <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



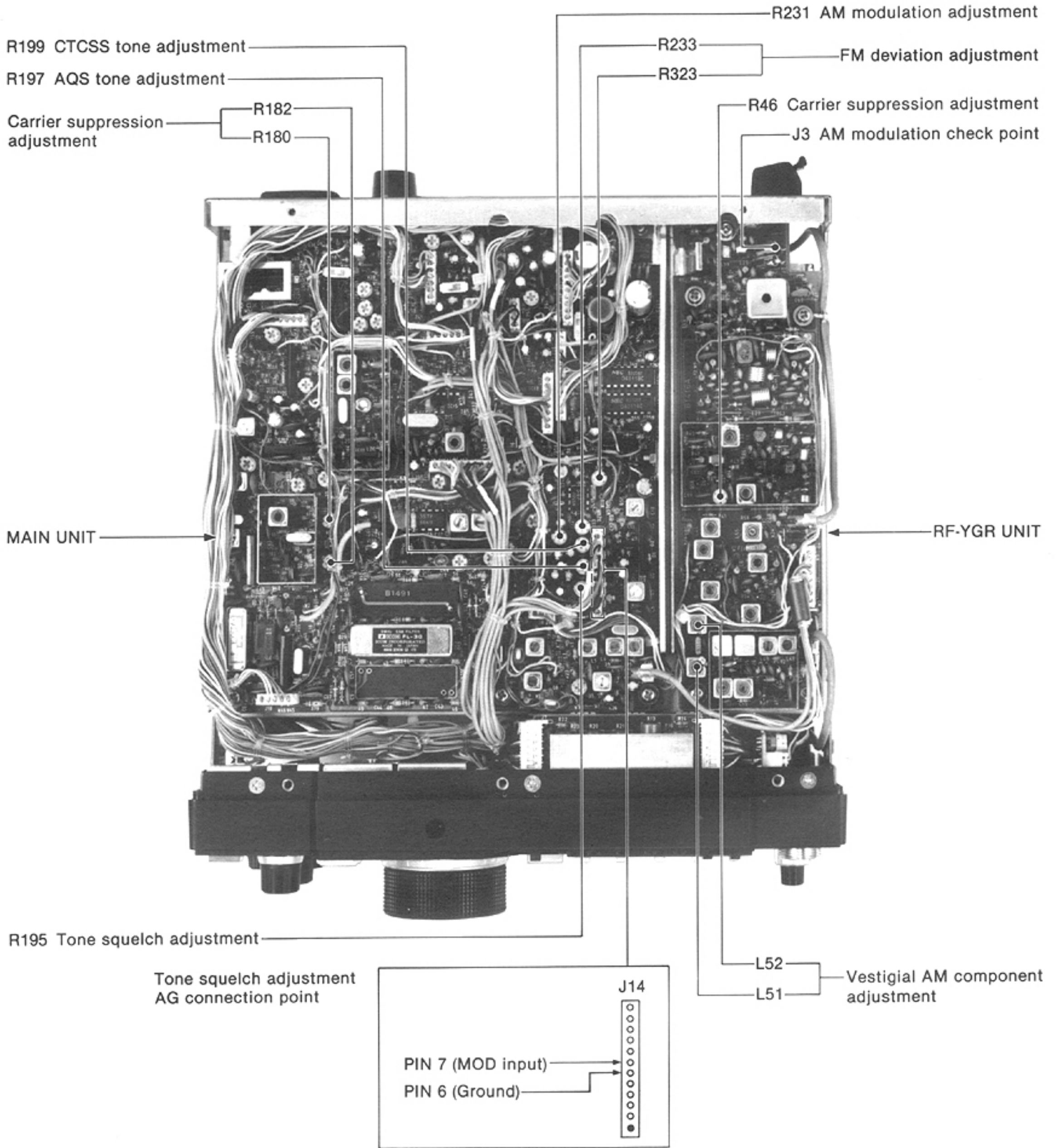
CONNECTOR INFORMATION



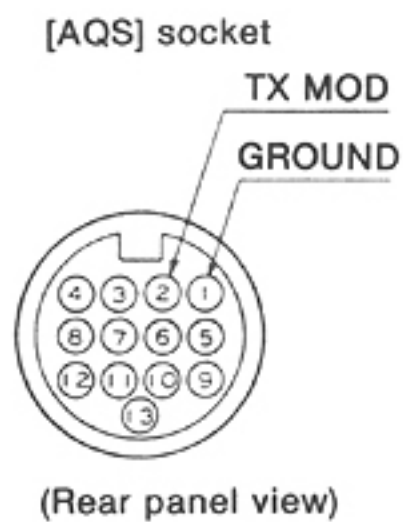
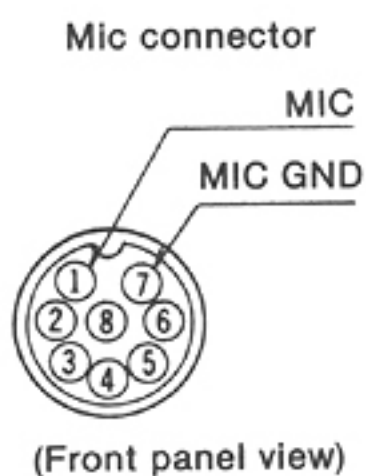
TRANSMITTER ADJUSTMENT (CONTINUED)

| 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 | | | | | 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 |
| 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



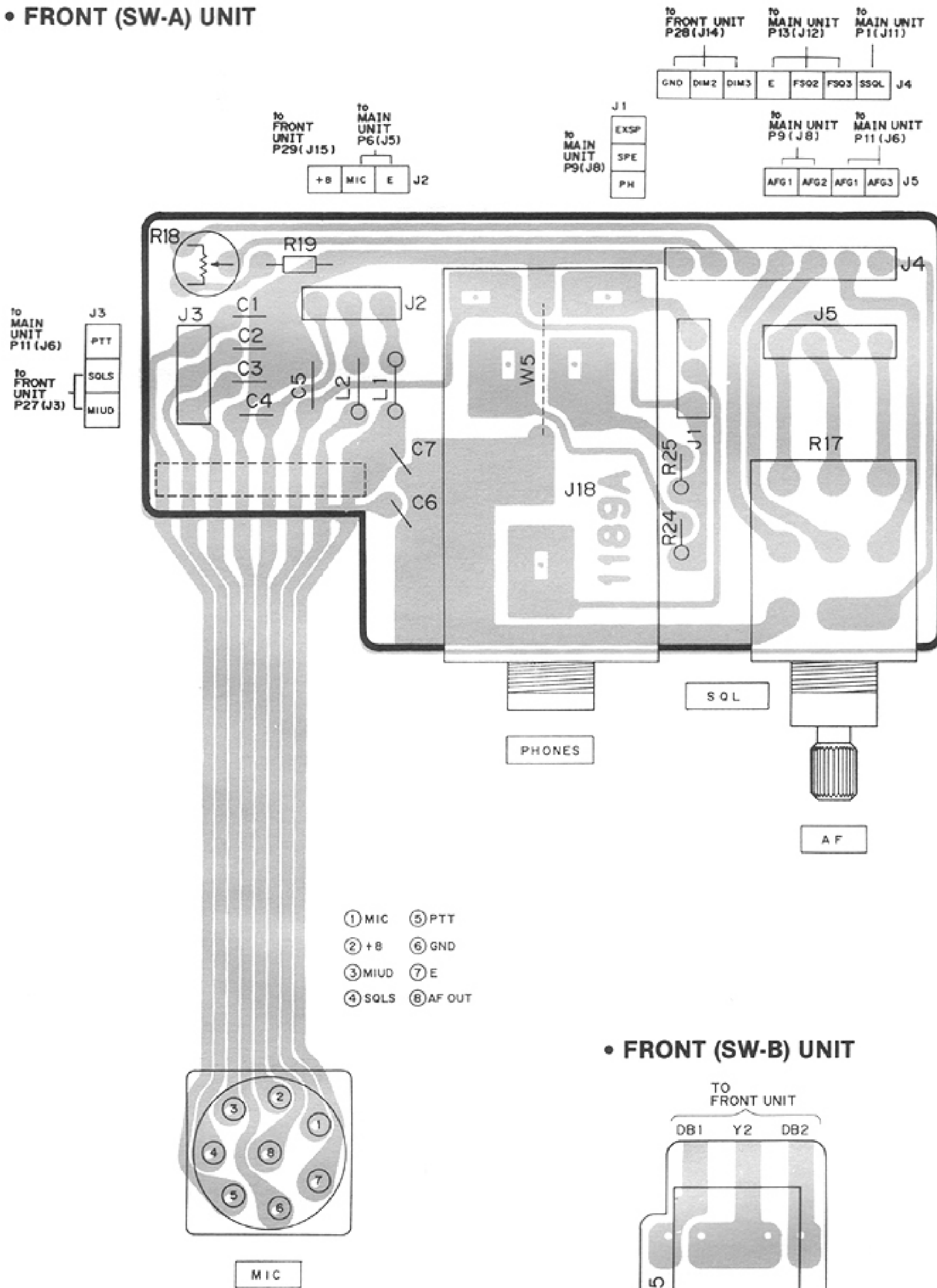
CONNECTOR INFORMATION



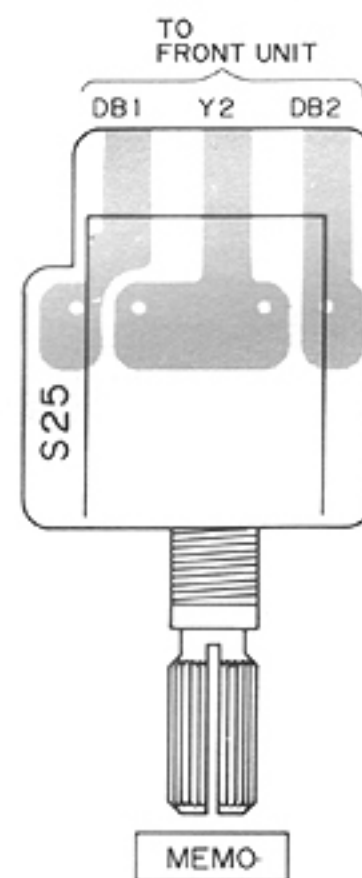
SECTION 3 BOARD LAYOUTS

3-1 FRONT UNIT (1)

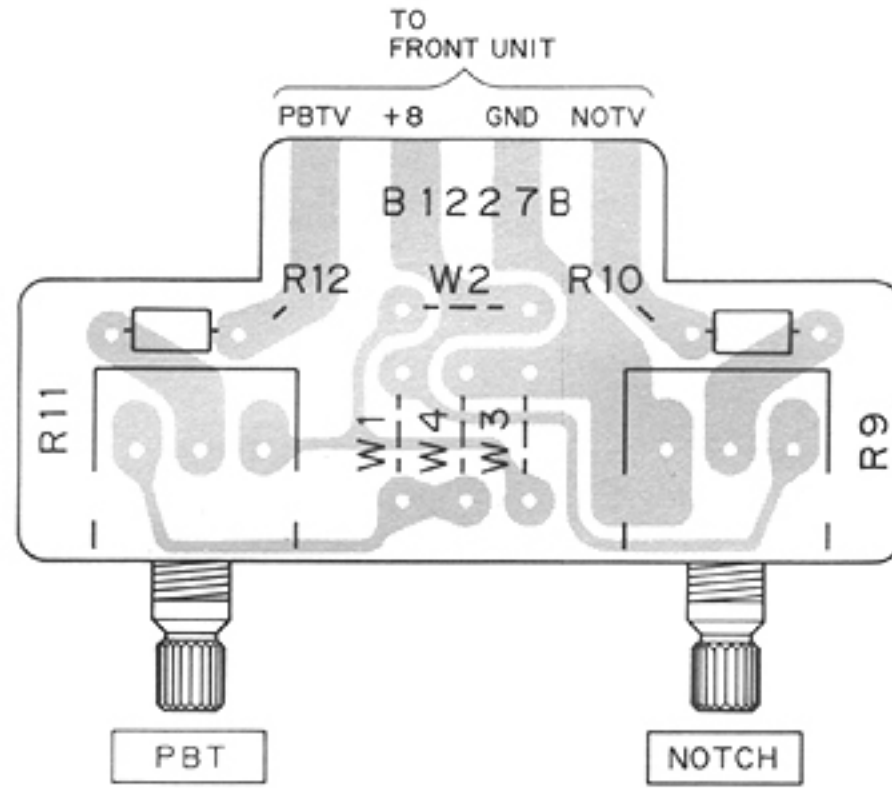
• FRONT (SW-A) UNIT



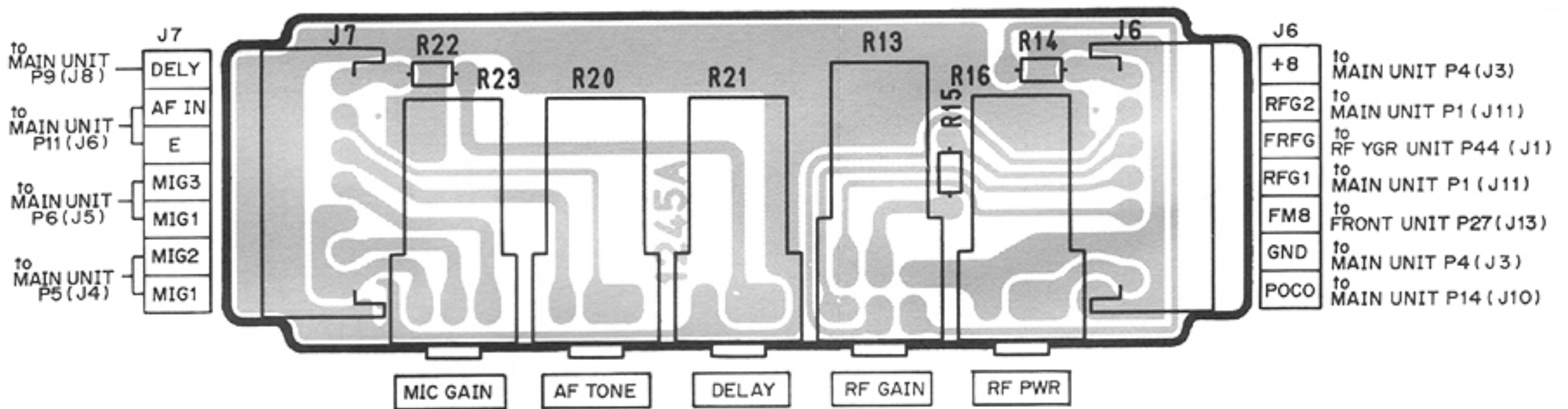
• FRONT (SW-B) UNIT



• FRONT (VR-A) UNIT

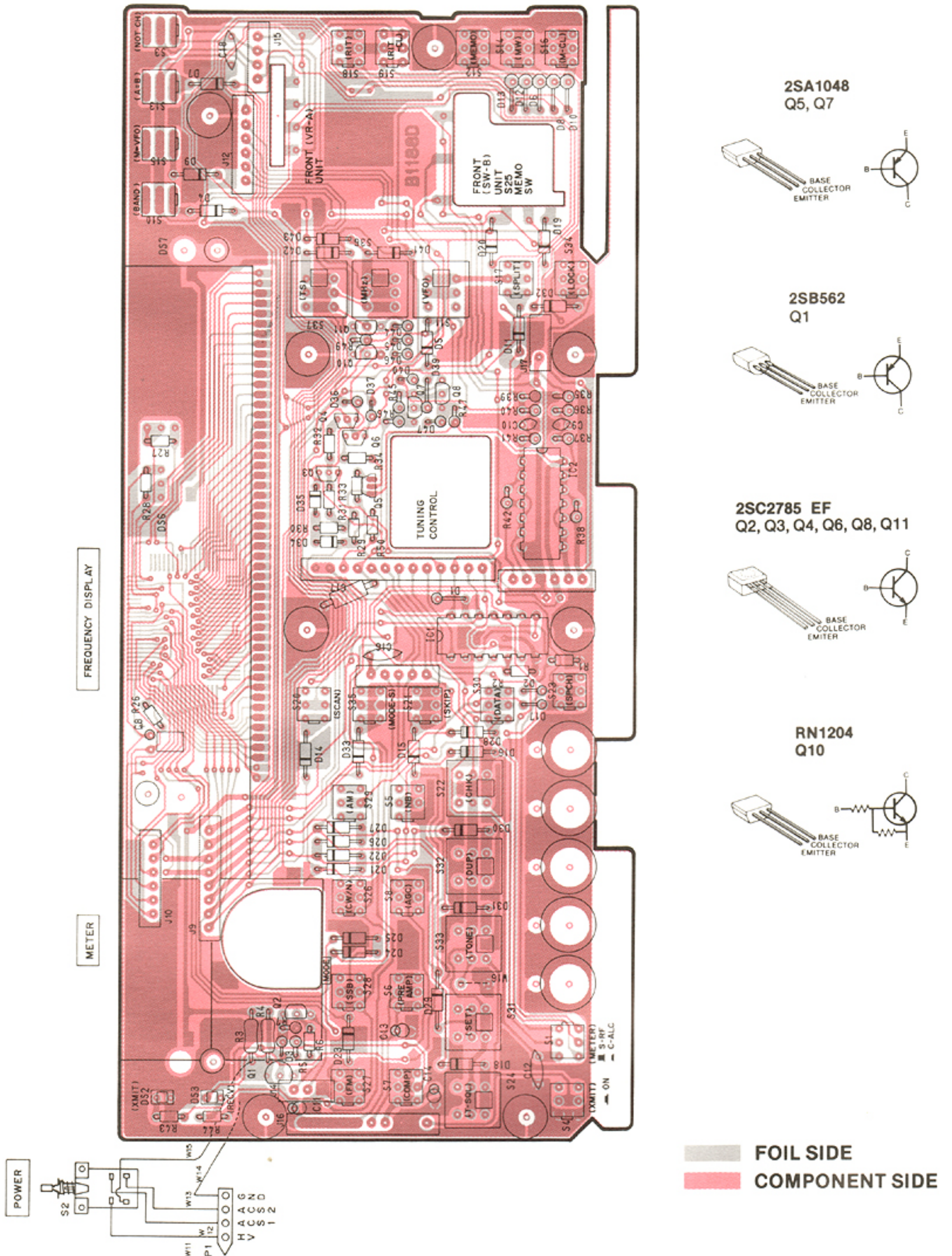


• FRONT (VR-B) UNIT

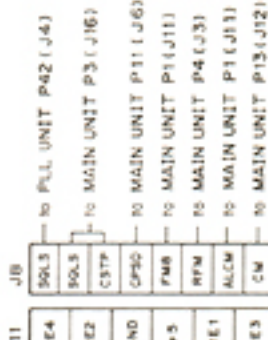
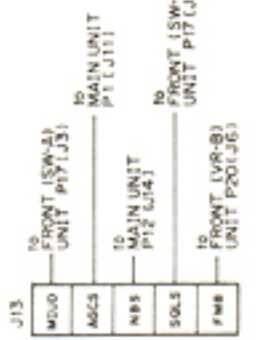
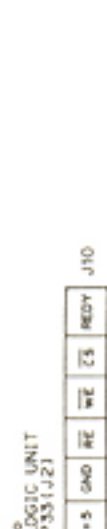
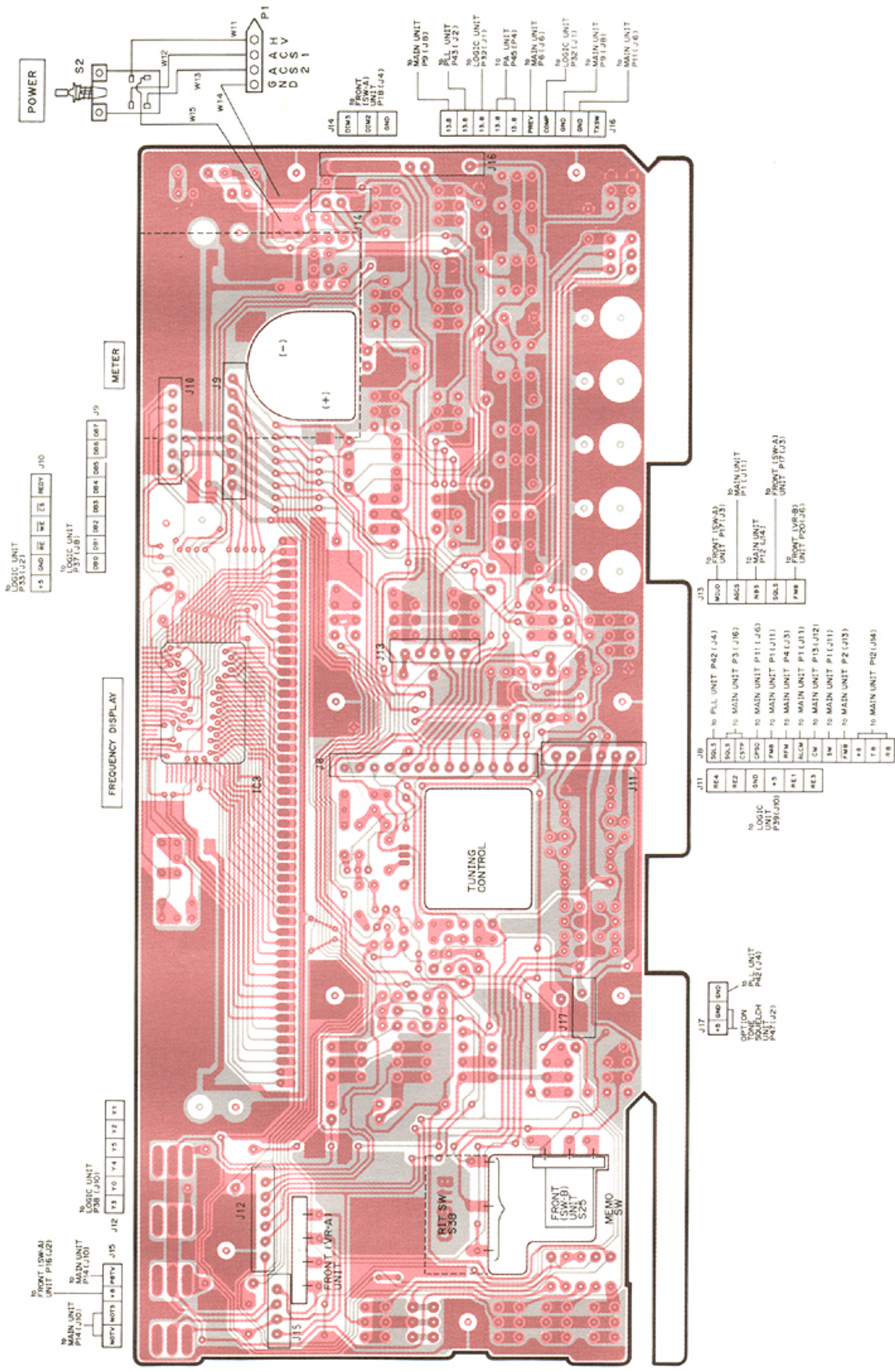


3-2 FRONT UNIT (2)

- FRONT UNIT
COMPONENT SIDE



FOIL SIDE



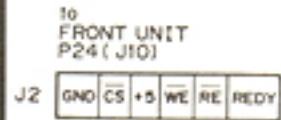
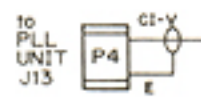
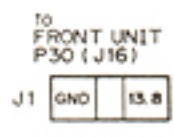
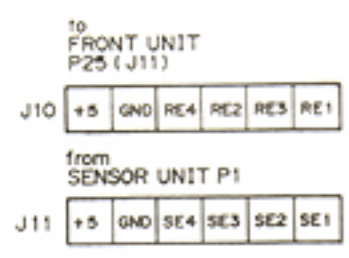
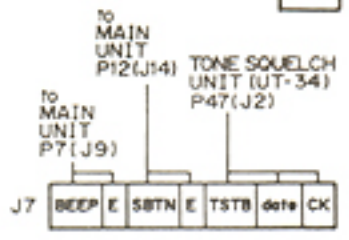
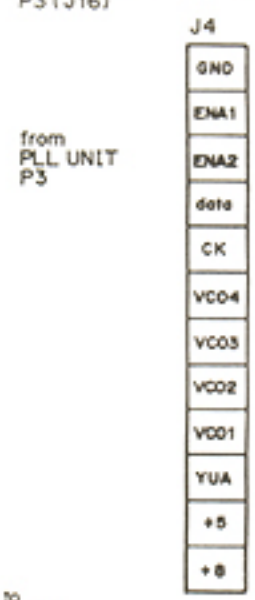
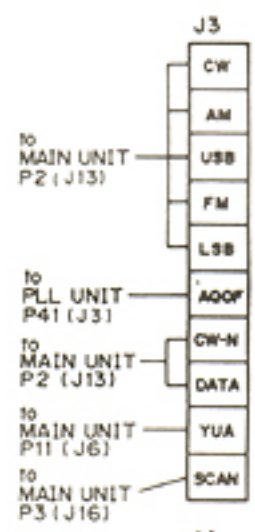
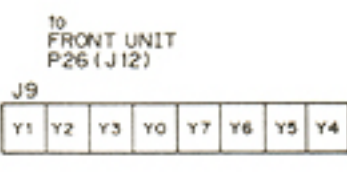
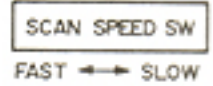
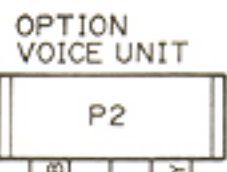
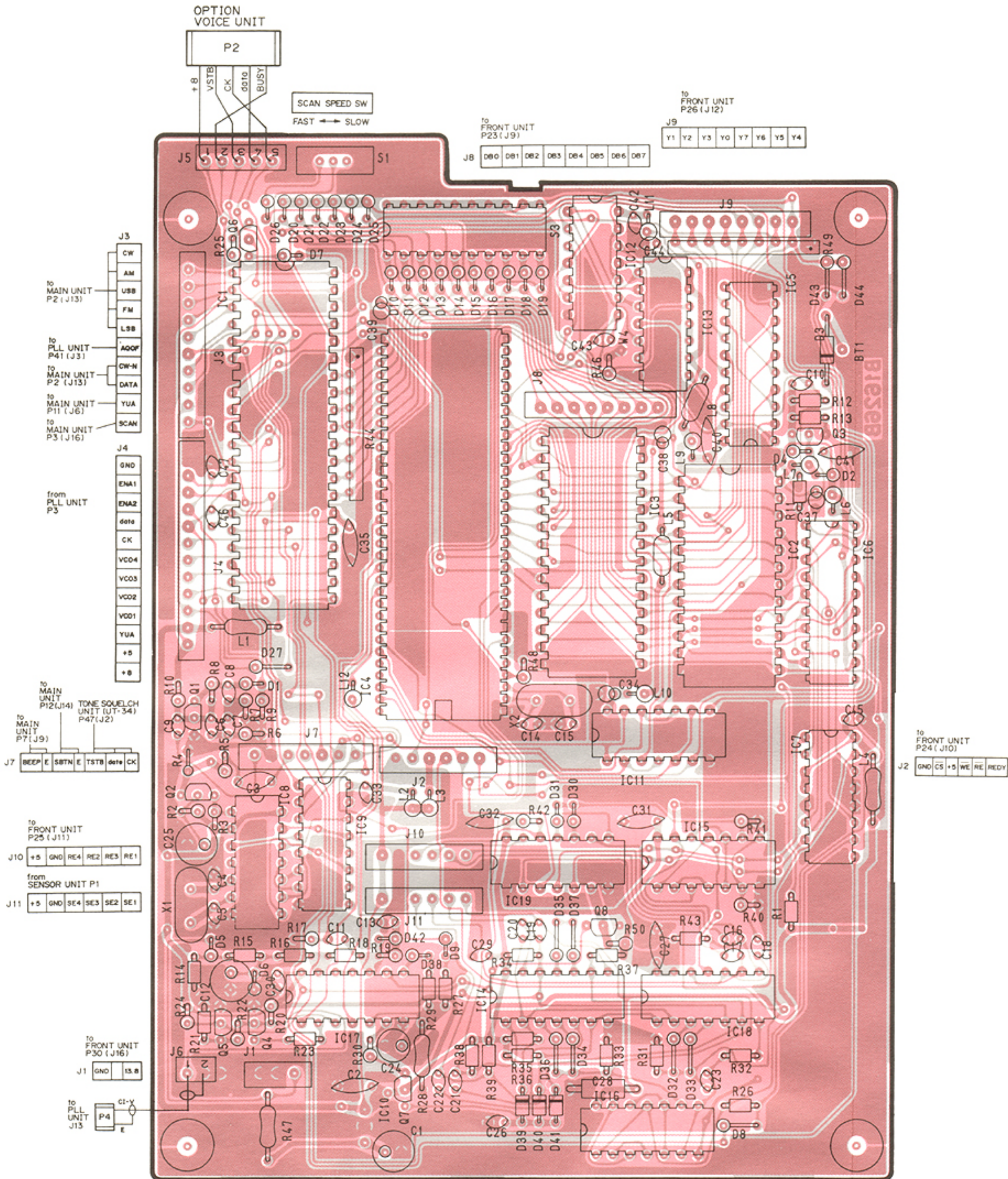
FOIL SIDE

COMPONENT SIDE

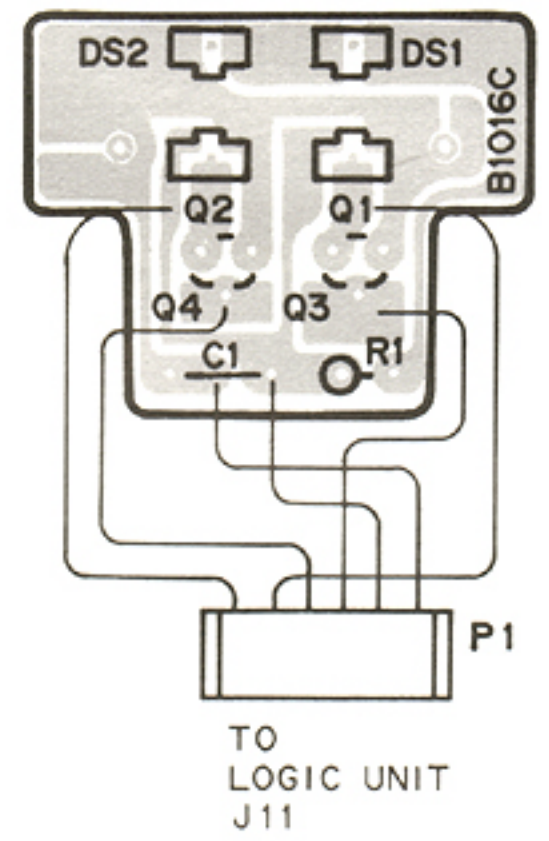
3-3 LOGIC AND SENSOR UNITS

• LOGIC UNIT

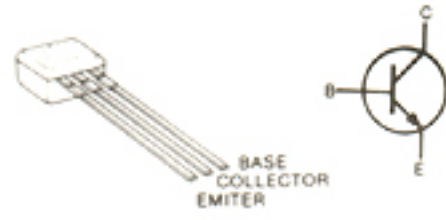
FOIL SIDE
 COMPONENT SIDE



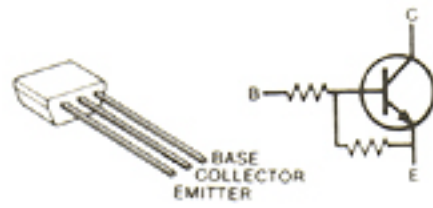
• SENSOR UNIT



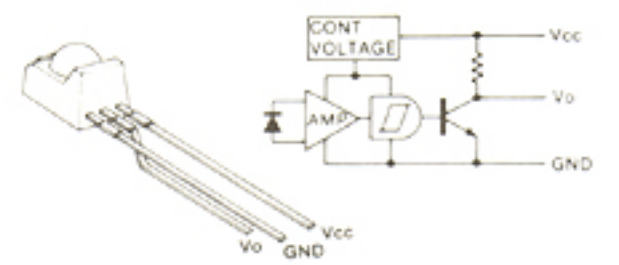
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Q1, Q2, Q3, Q4,
Q5, Q6, Q7



RN1204
Q8



IS-433
Q1, Q2

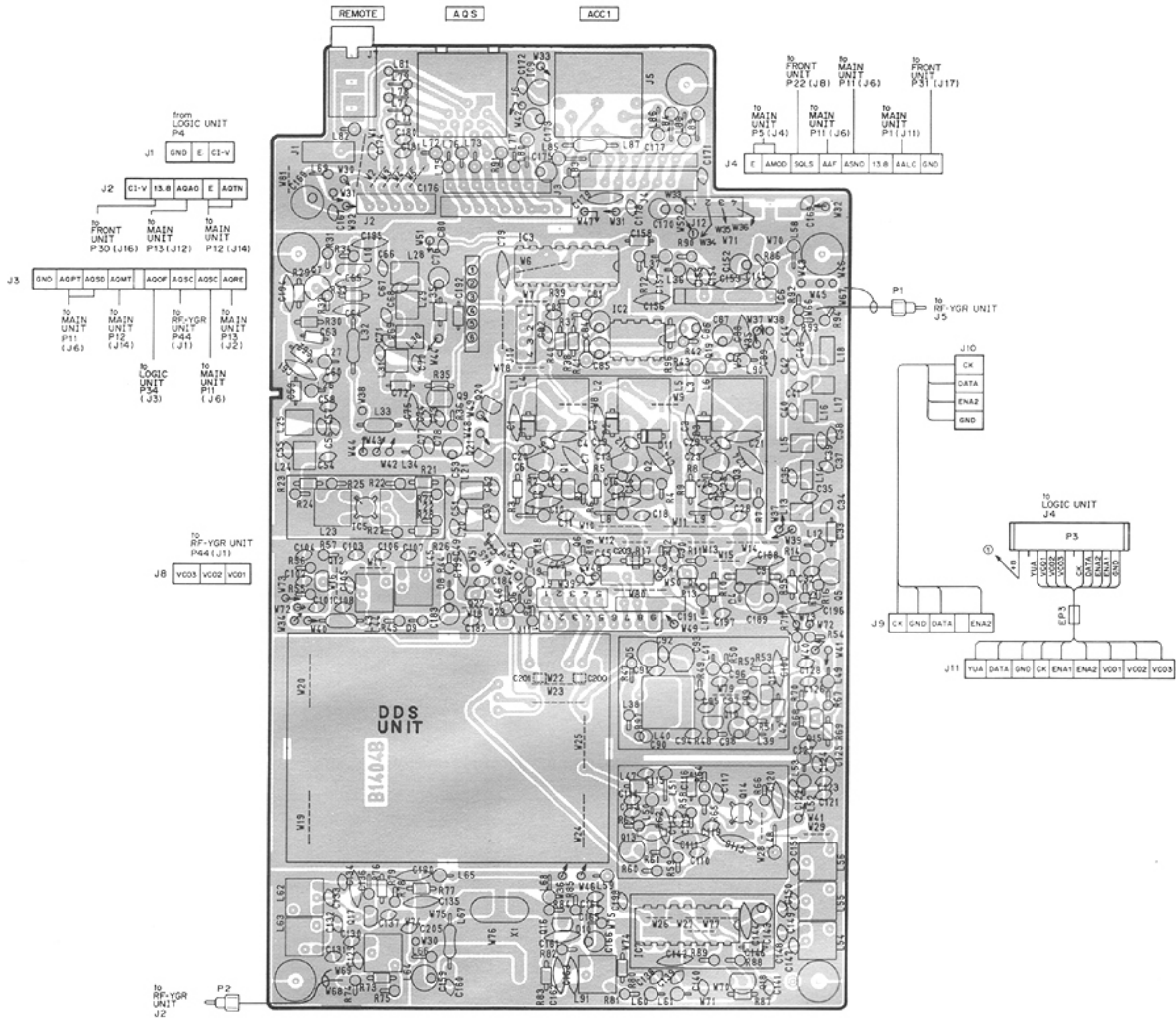


RN1204
Q3, Q4



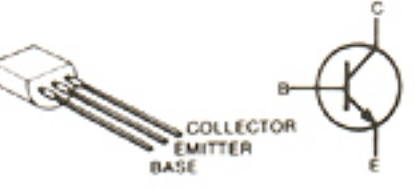
3-4 PLL AND DDS UNITS

• PLL UNIT



• DDS UNIT

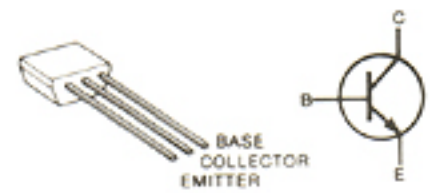
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Q5, Q9



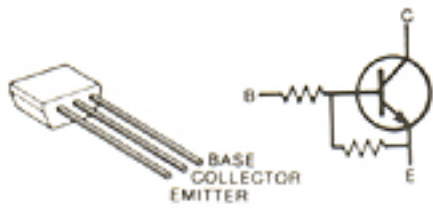
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Q14



2SC2668 O
Q4, Q11,
Q12, Q15,
Q16, Q17



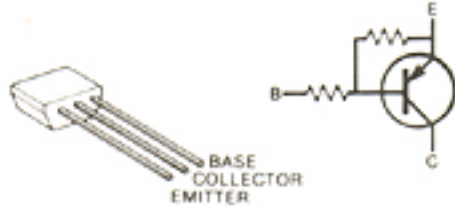
RN1202
R19, Q20,
Q21, Q22



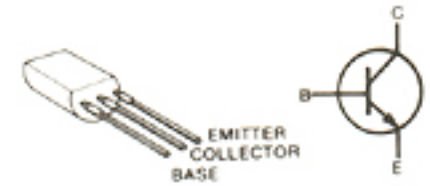
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Q7



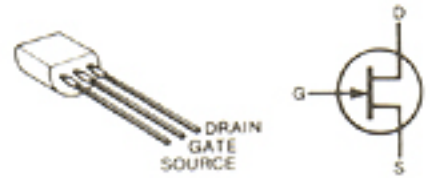
RN2204
Q23



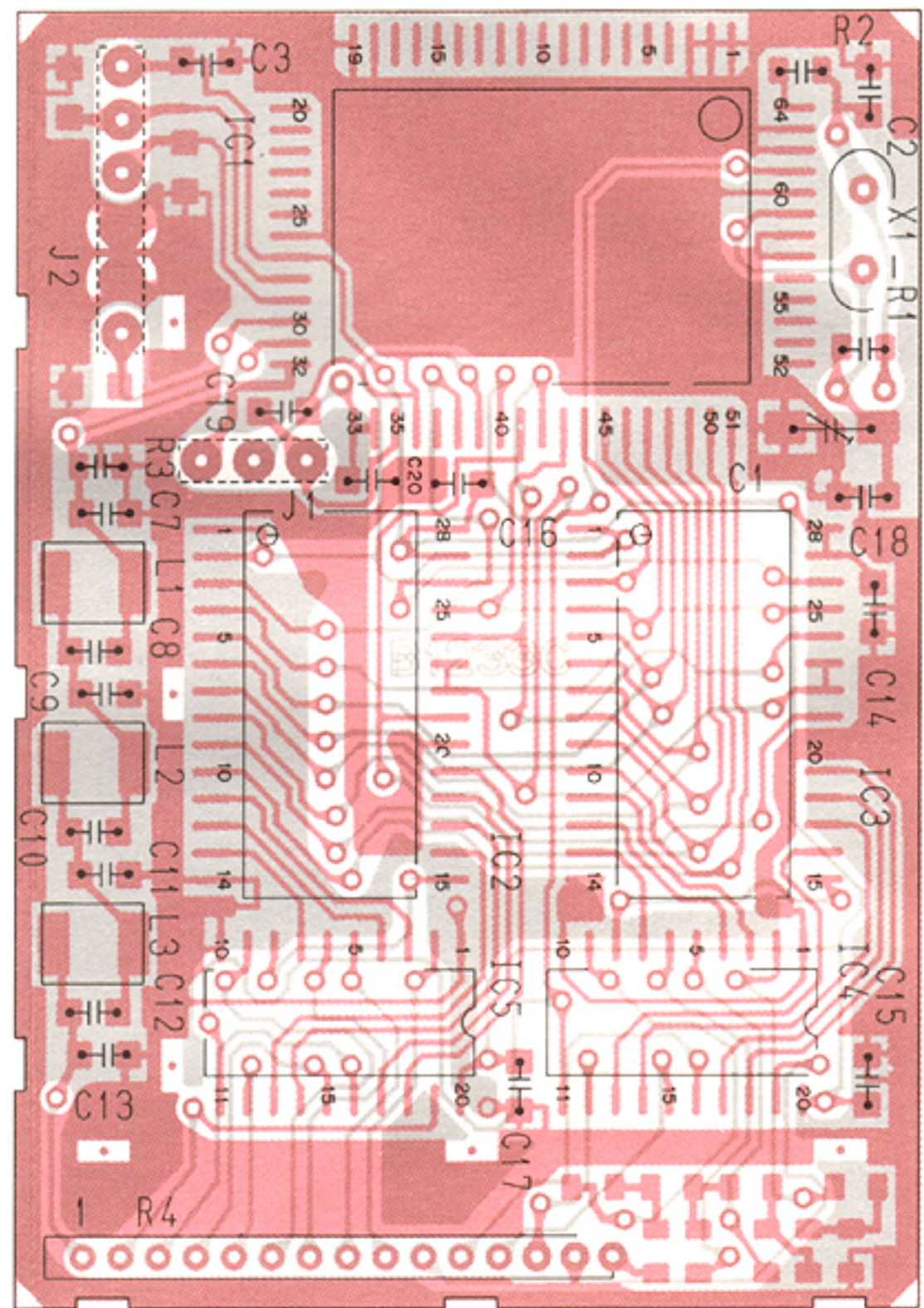
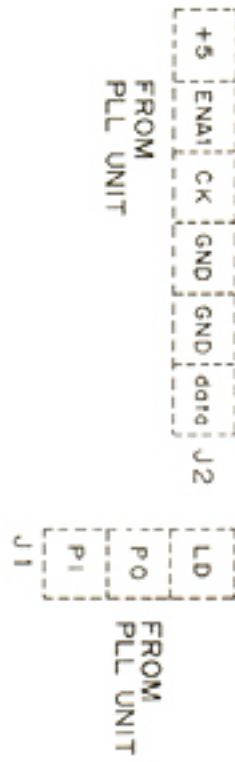
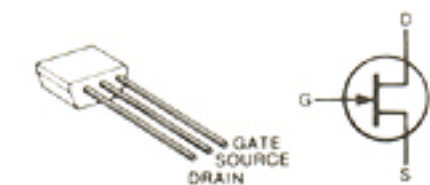
2SC763 C
Q13, Q18



2SK125
Q6

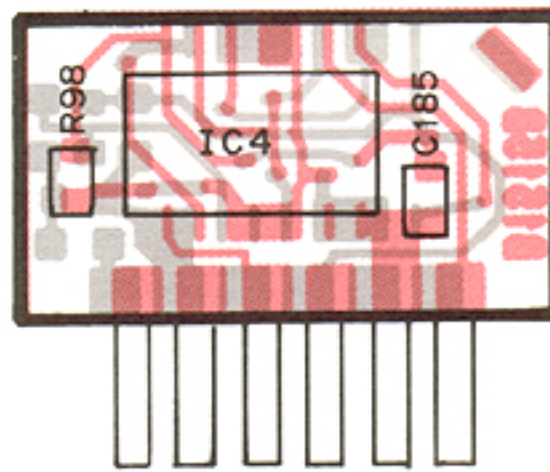


2SK192A GR
Q1, Q2,
Q3, Q10

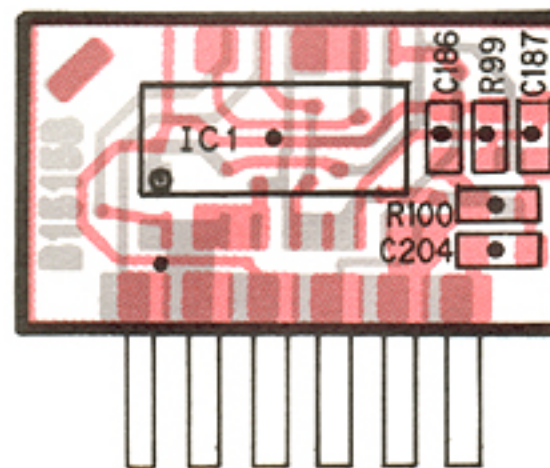


FOIL SIDE
COMPONENT SIDE

• PRESCALER UNIT



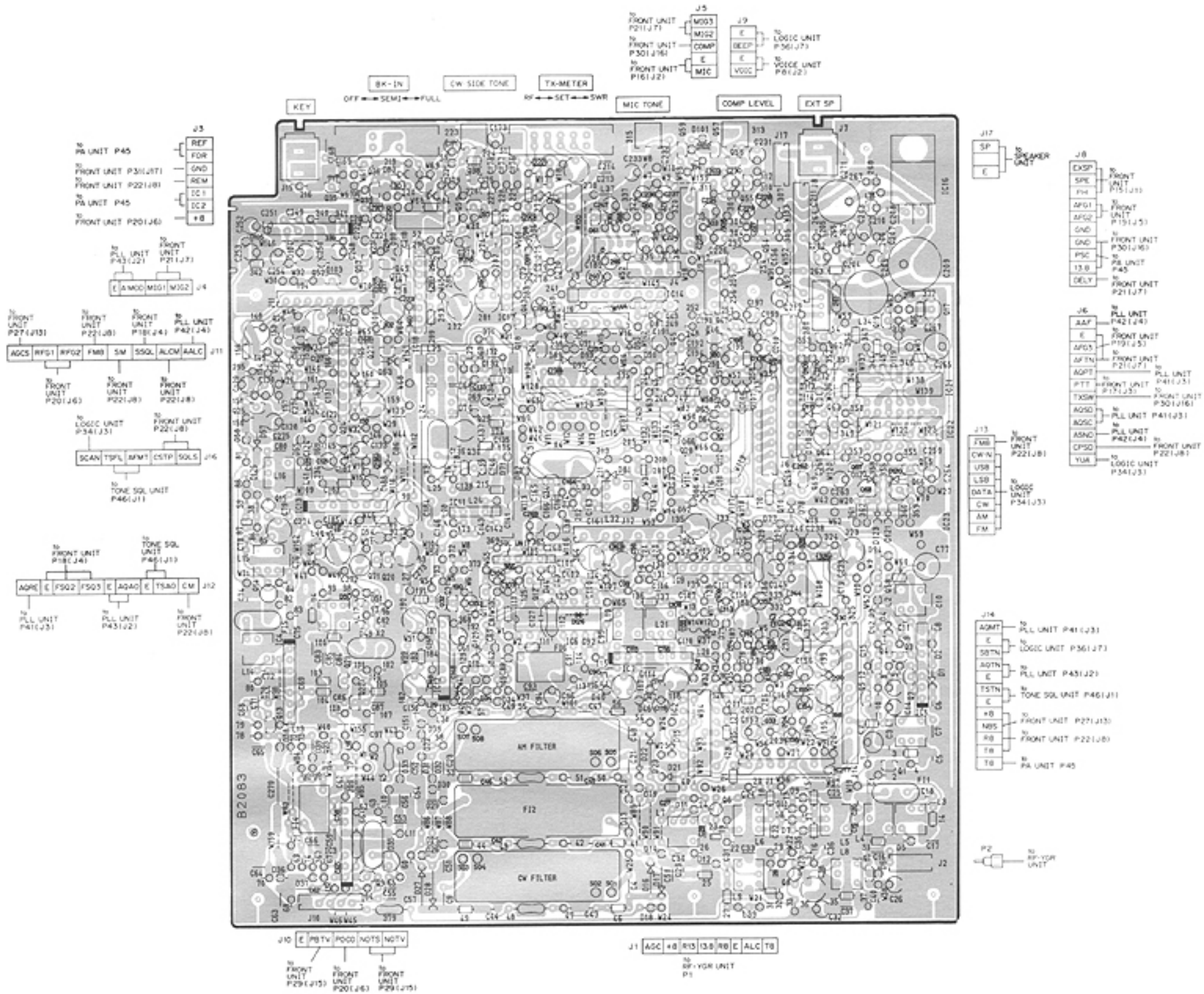
FOIL SIDE
COMPONENT SIDE



FOIL SIDE
COMPONENT SIDE

3-5 MAIN AND SQUELCH UNITS

• MAIN UNIT



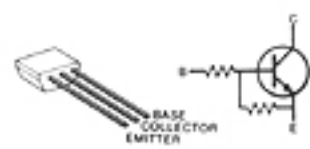
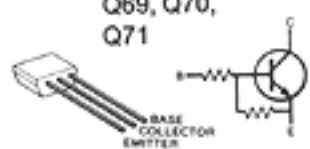
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Q11, Q23,
Q28, Q40,
Q41, Q52,
Q58

RN2202
Q5

RN1204
Q16, Q18,
Q19, Q20,
Q26, Q27,
Q29, Q39,
Q42, Q51,
Q69, Q70,
Q71

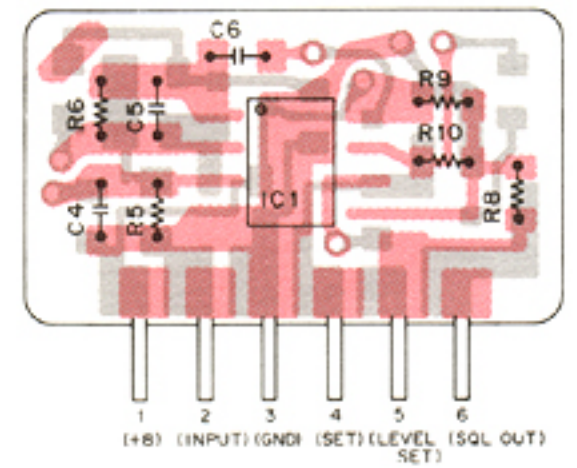
RN1202
Q7, Q43,
Q56, Q57,
Q59

3SK74 M
Q6, Q8,
Q14, Q15

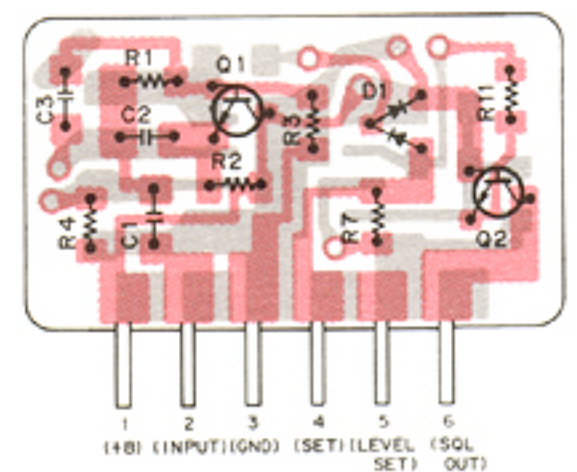


• SQUELCH UNIT

COMPONENT SIDE



FOIL SIDE



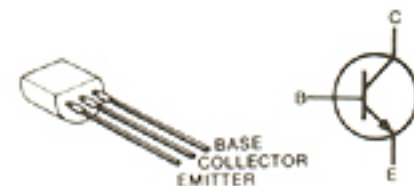
2SA1048 Y/GR
Q2, Q35, Q49



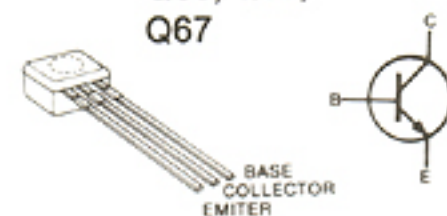
2SB562 C
Q17



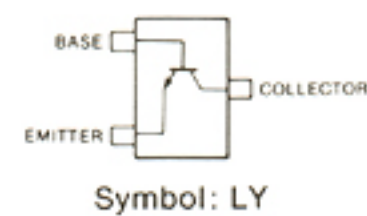
2SC1571
Q54



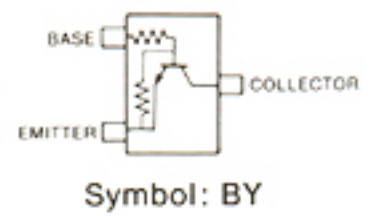
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Q9, Q10,
Q12, Q13,
Q21, Q22,
Q24, Q25,
Q30, Q31,
Q32, Q33,
Q34, Q36,
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Q50, Q53,
Q55, Q60,
Q61, Q62,
Q63, Q65,
Q67



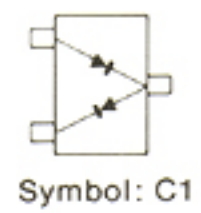
2SC2712 Y
Q1



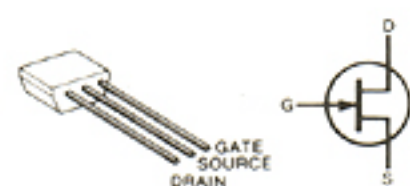
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Q2



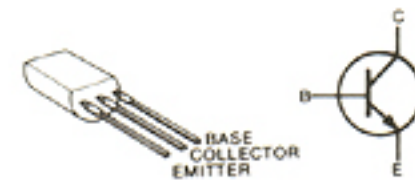
HSM88AS
D1



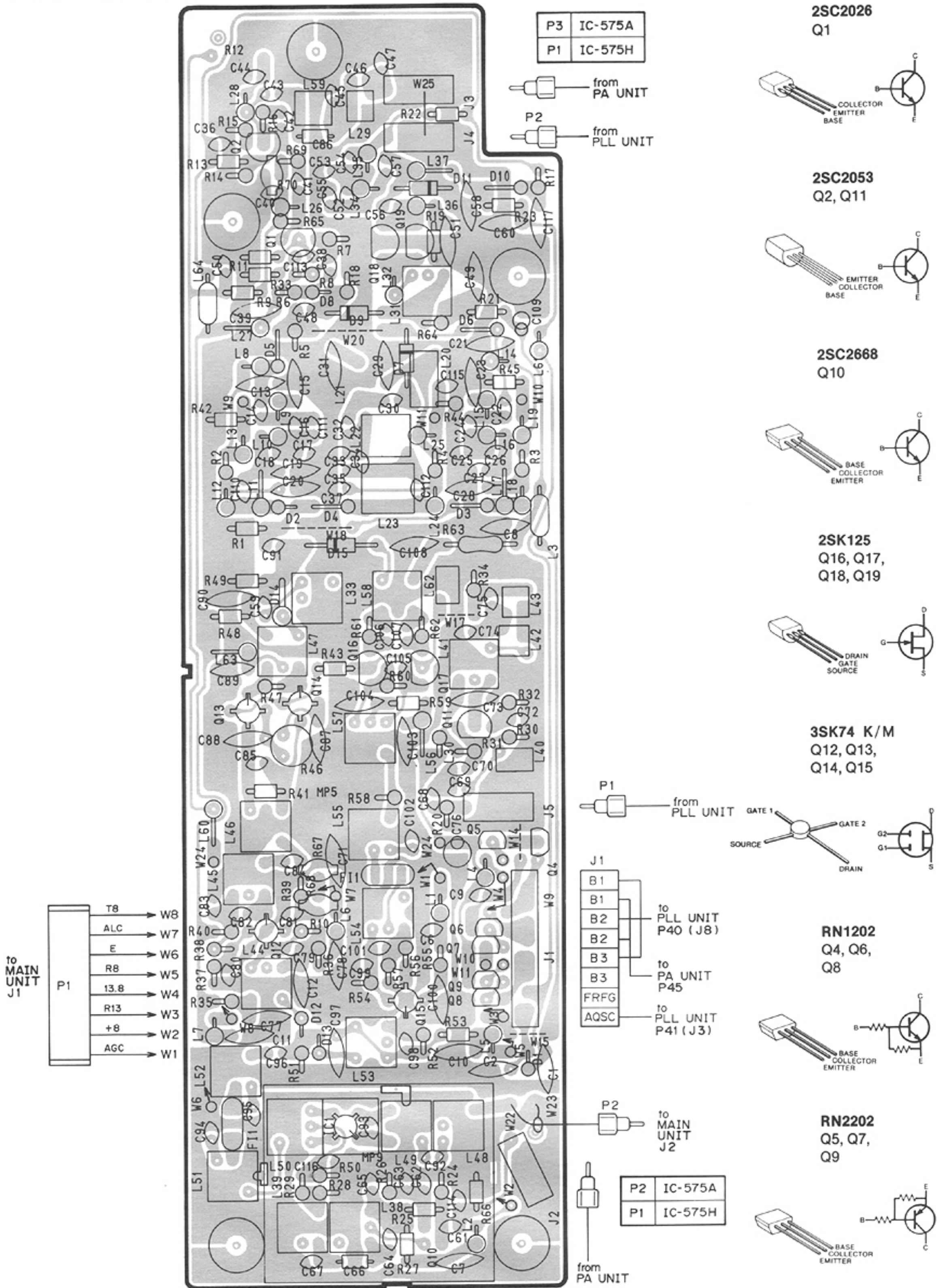
2SK192A Y
Q1



2SD468 C
Q64, Q66,
Q68



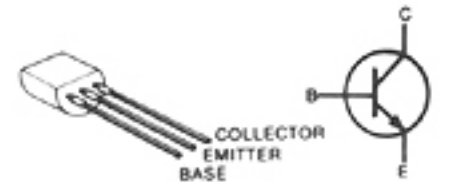
3-6 RF-YGR UNIT



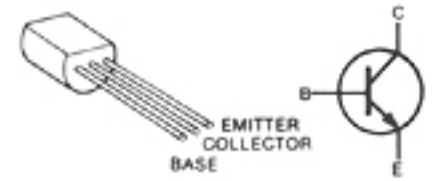
| | |
|----|---------|
| P3 | IC-575A |
| P1 | IC-575H |

from PA UNIT
P2
from PLL UNIT

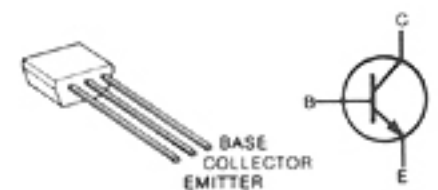
2SC2026
Q1



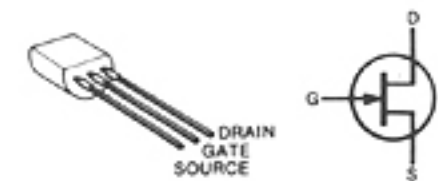
2SC2053
Q2, Q11



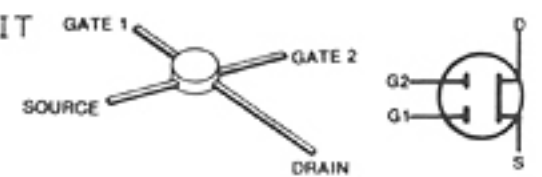
2SC2668
Q10



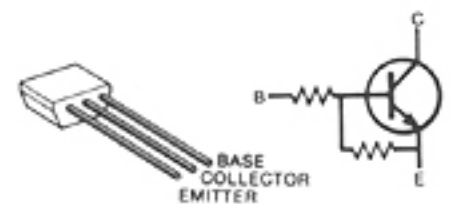
2SK125
Q16, Q17,
Q18, Q19



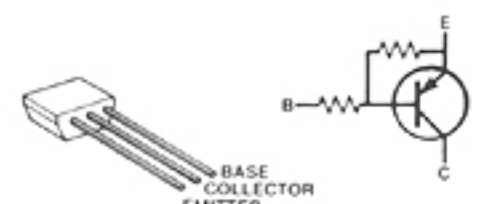
3SK74 K/M
Q12, Q13,
Q14, Q15



RN1202
Q4, Q6,
Q8



RN2202
Q5, Q7,
Q9



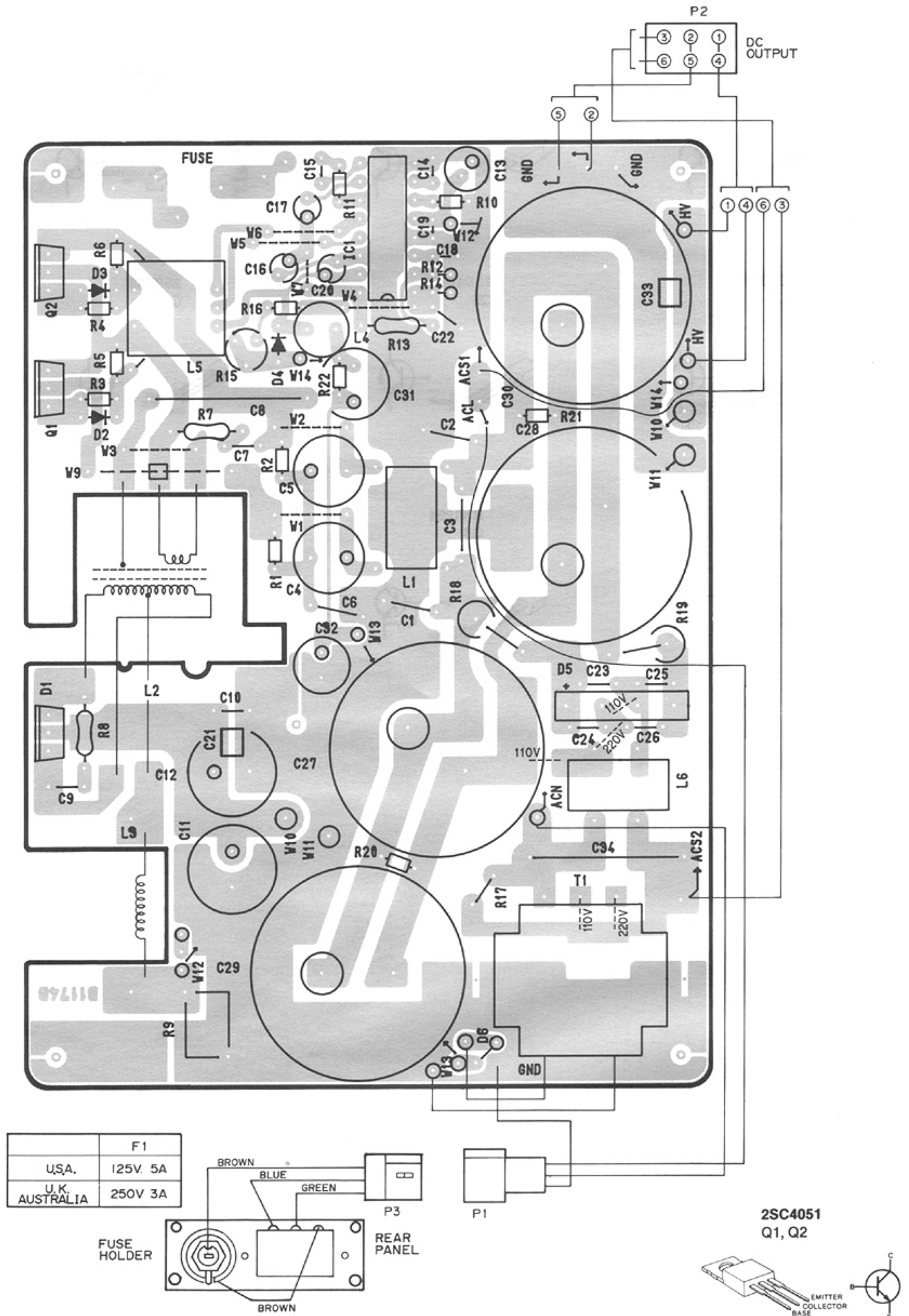
P1
from PLL UNIT

J1
B1
B1
B2
B2
B3
B3
FRFG
AQSC
to PLL UNIT P40 (J8)
to PA UNIT P45
to PLL UNIT P41 (J3)

| | |
|----|---------|
| P2 | IC-575A |
| P1 | IC-575H |

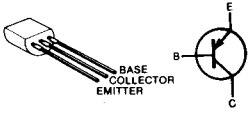
from PA UNIT

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

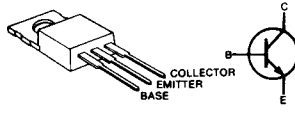


3-8 PA UNIT (IC-575A ONLY)

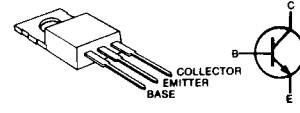
2SB562 C
Q9



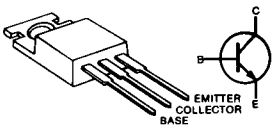
2SC1971
Q1, Q2



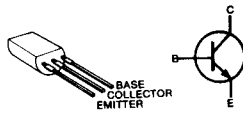
2SC1972
Q3, Q4



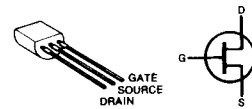
2SD313
Q5



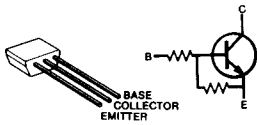
2SD488 C
Q6



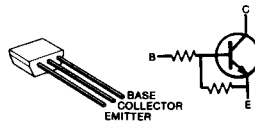
2SK152
Q12



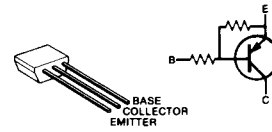
RN1202
Q10



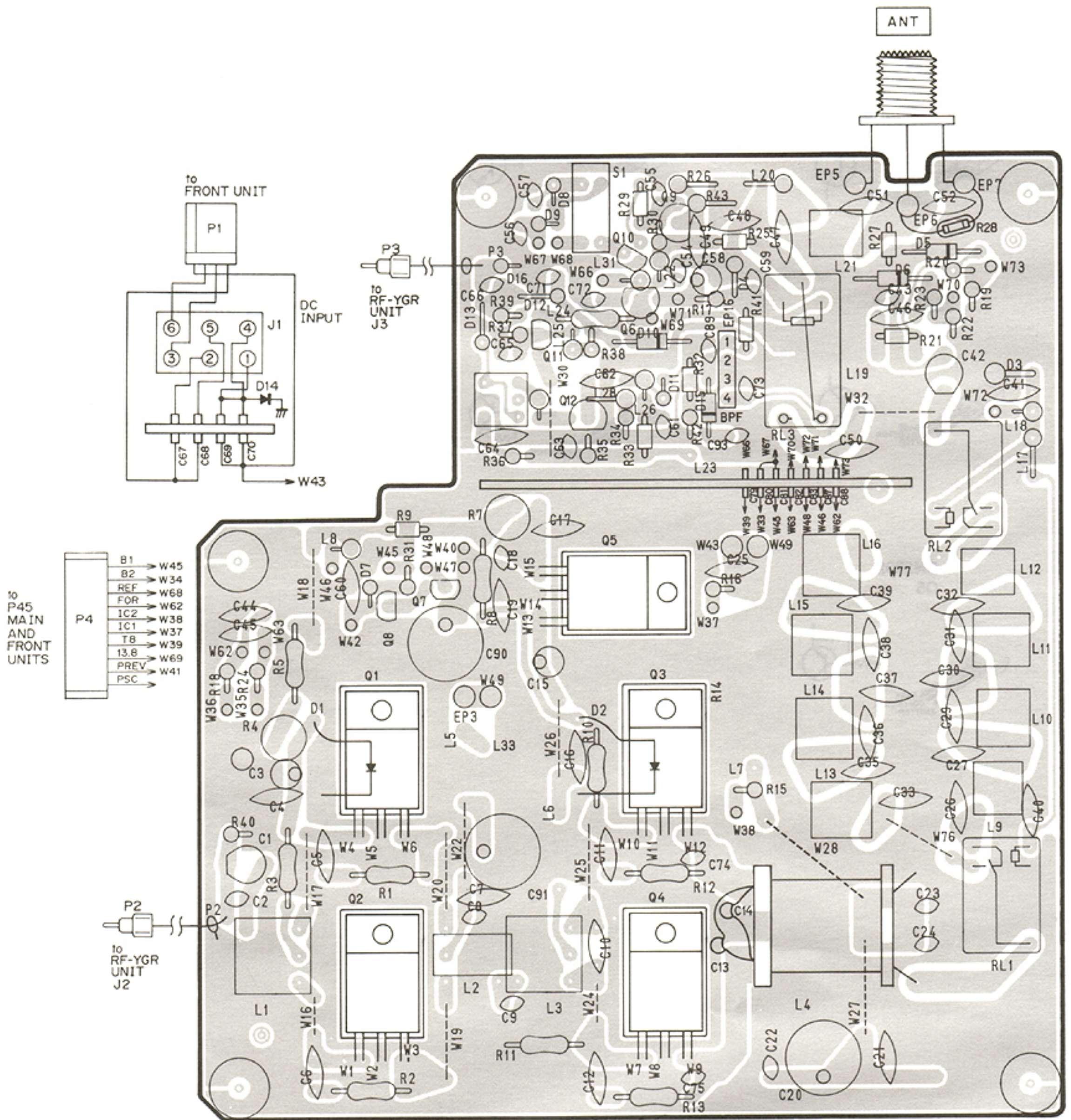
RN1204
Q8



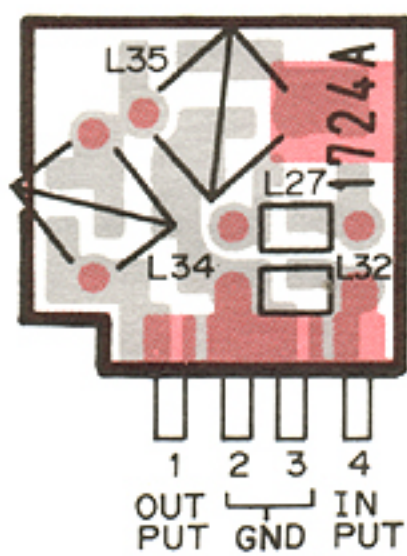
RN2202
Q7, Q11



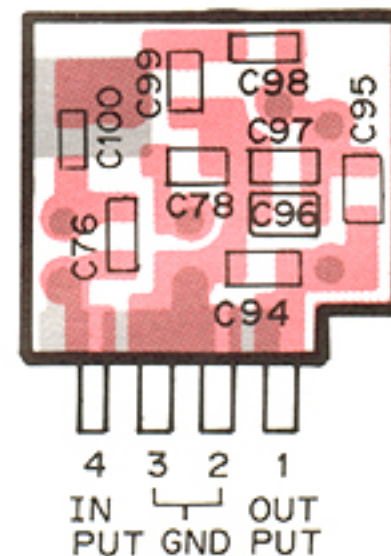
• PA UNIT (IC-575A)



• BPF BOARD



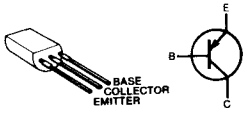
FOIL SIDE
COMPONENT SIDE



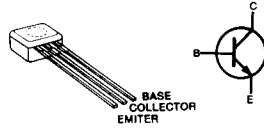
FOIL SIDE
COMPONENT SIDE

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

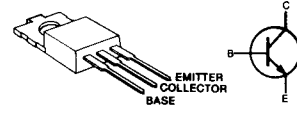
2SB562 C
Q7



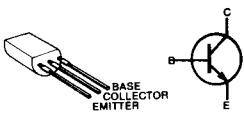
2SC2785 EF/KF
Q2



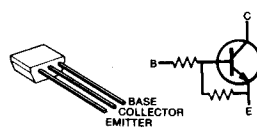
2SD1406
Q3



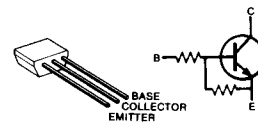
2SD468 C
Q1



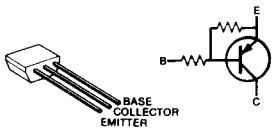
RN1202
Q6



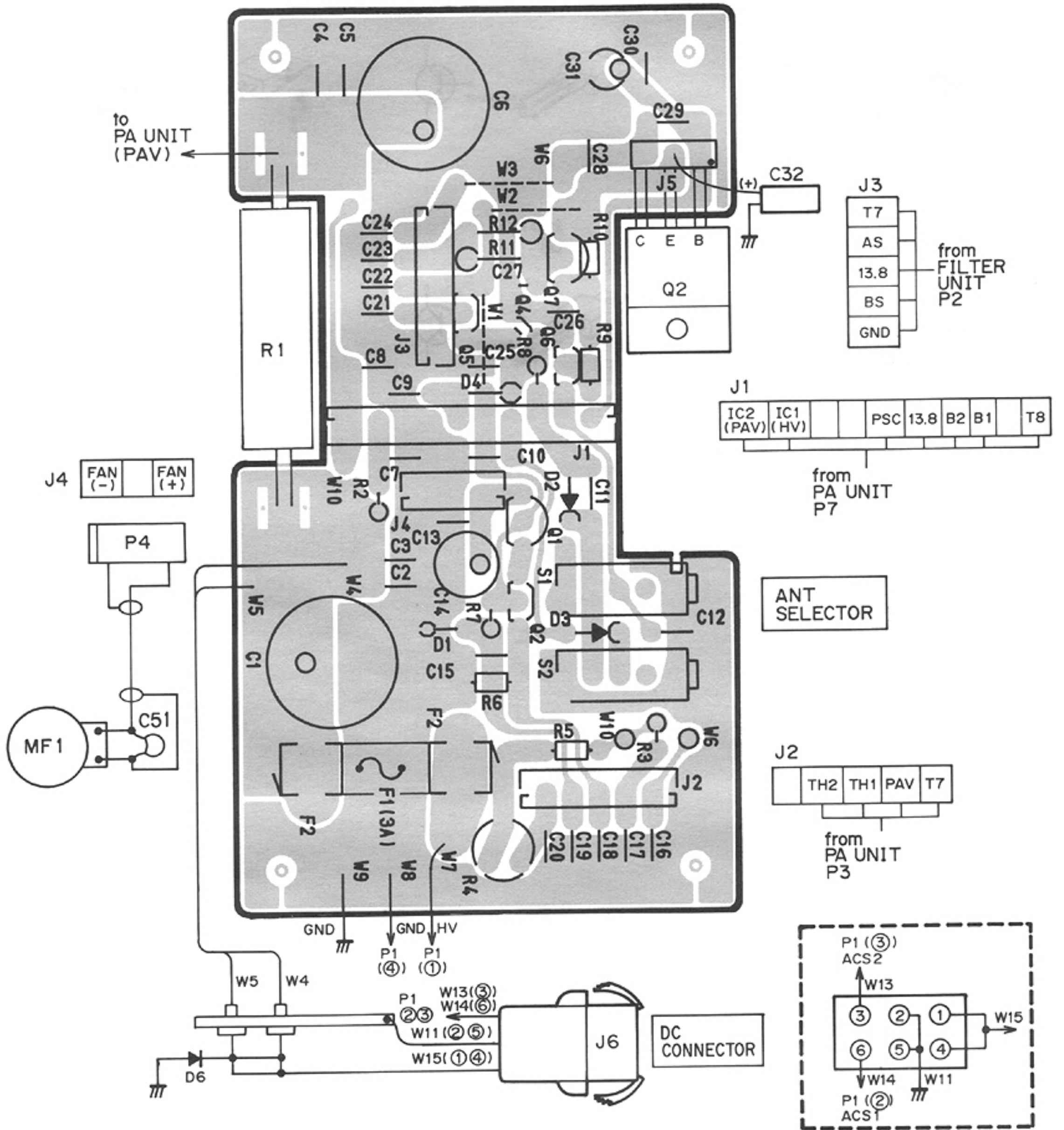
RN1204
Q4



RN2202
Q5

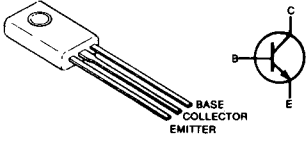


• CTRL UNIT (IC-575H ONLY)

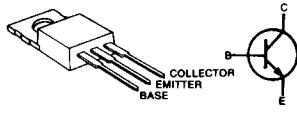


3-10 PA UNIT (IC-575H ONLY)

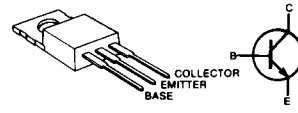
2SC1449
Q5



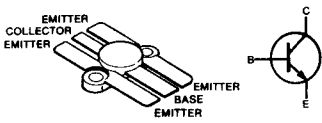
2SC1971
Q1, Q2



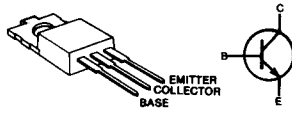
2SC1972
Q3, Q4



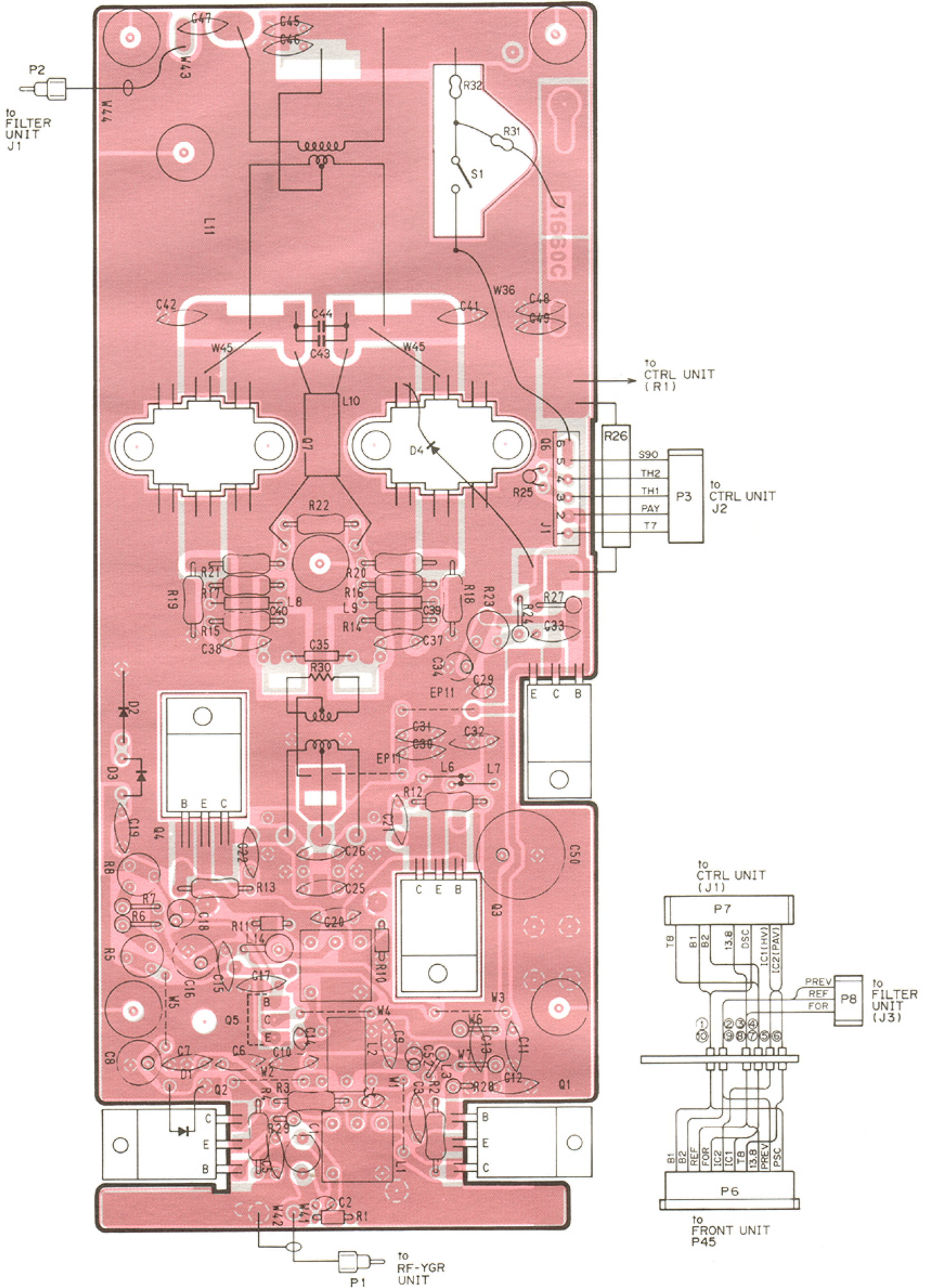
2SC2782
Q6, Q7



2SD1406
Q8

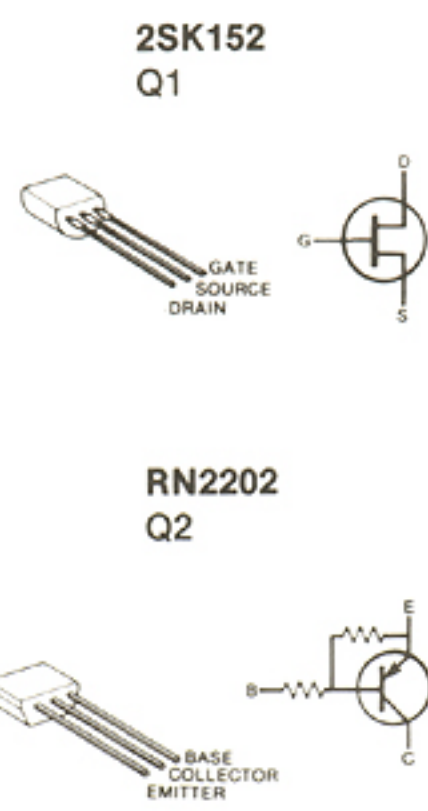
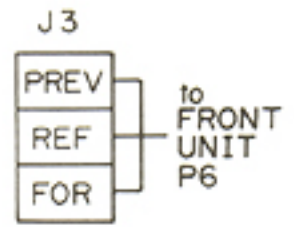
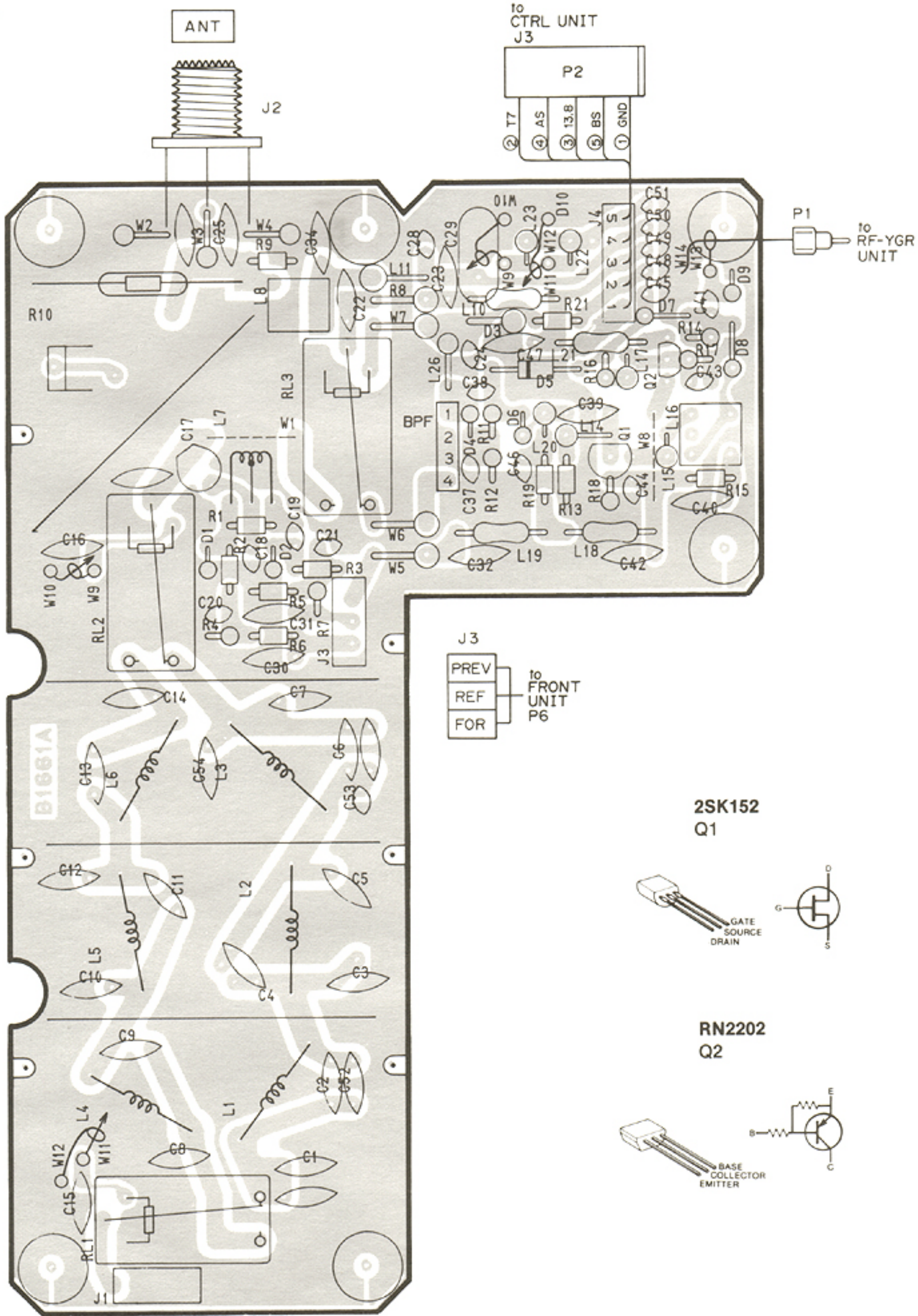


• PA UNIT (IC-575H ONLY)

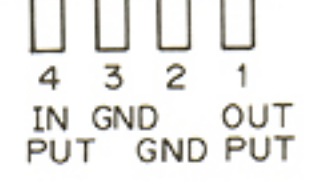
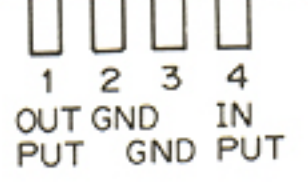
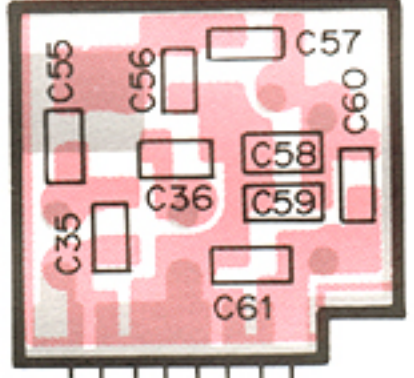
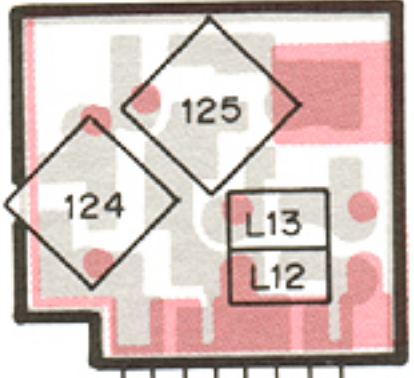


FOIL SIDE
 COMPONENT SIDE

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



• BPF BOARD

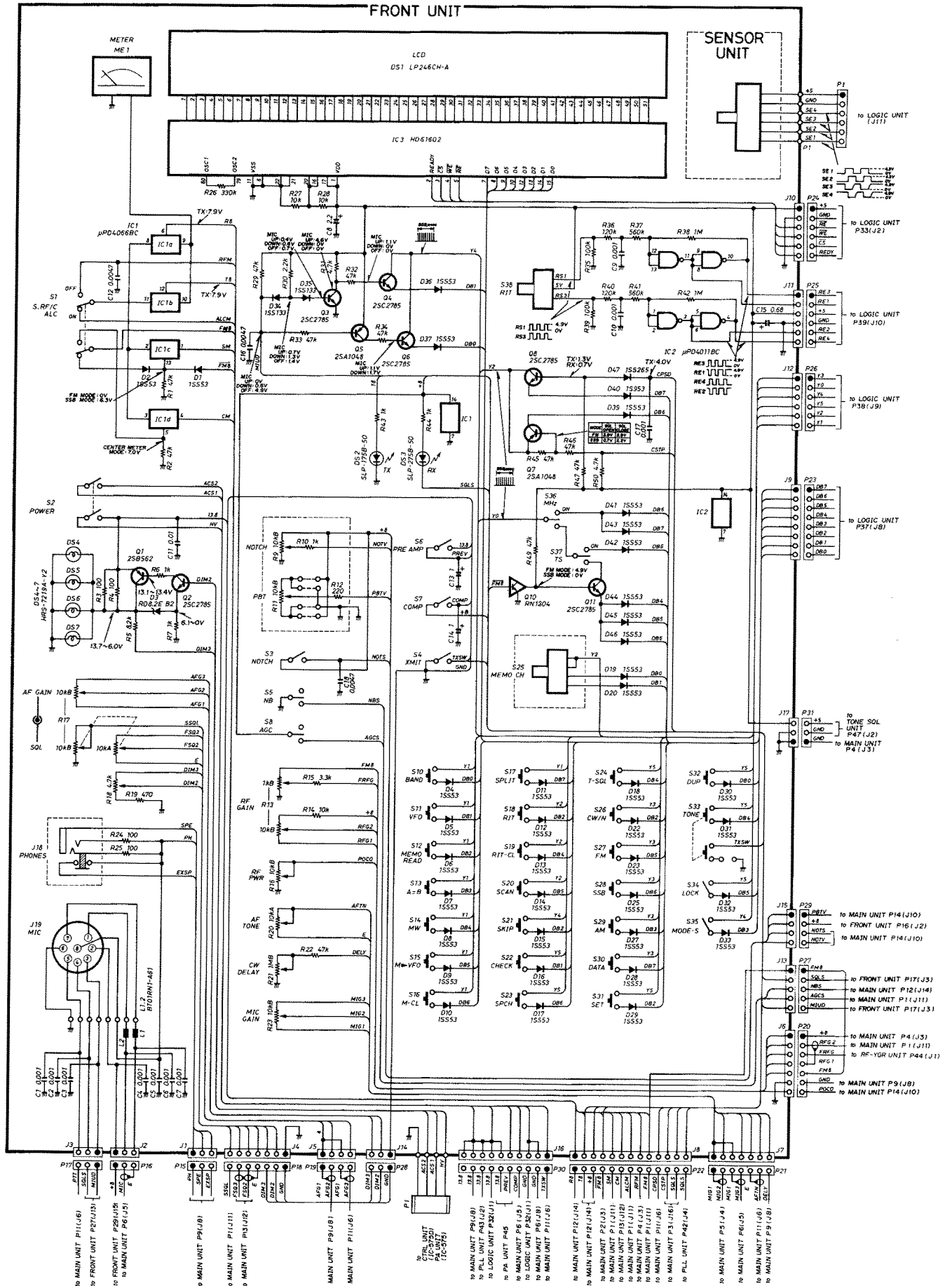


FOIL SIDE
COMPONENT SIDE

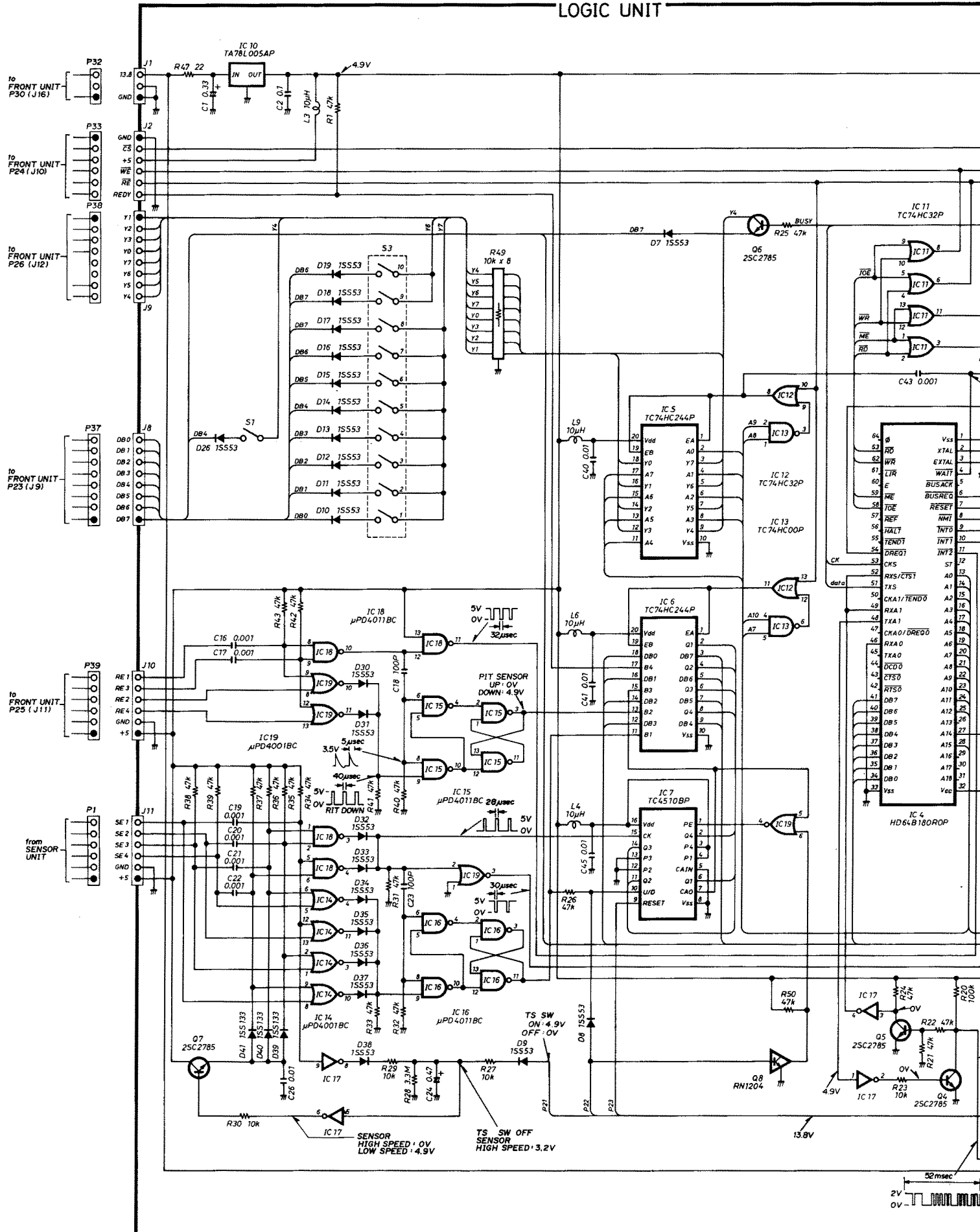
FOIL SIDE
COMPONENT SIDE

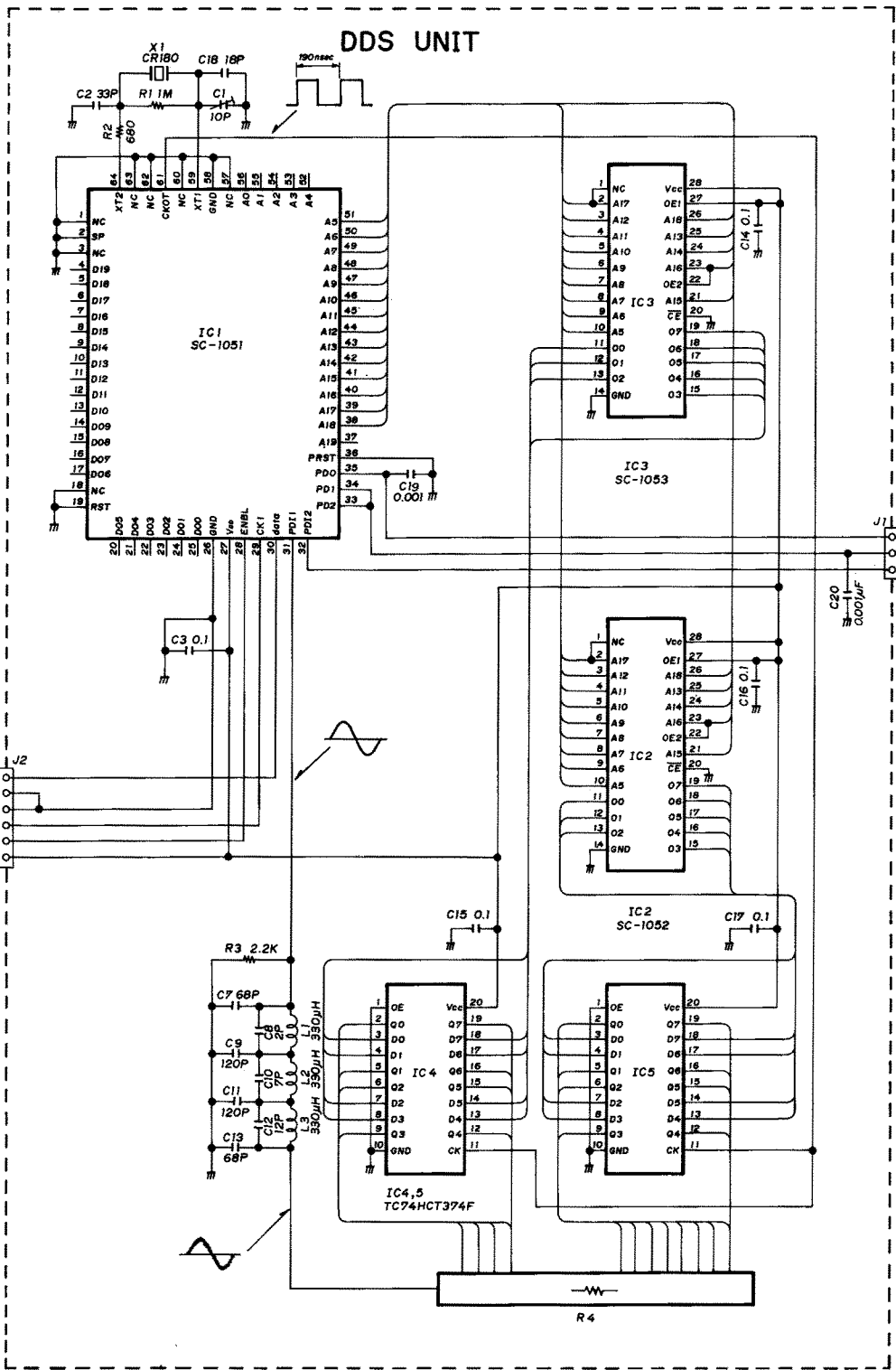
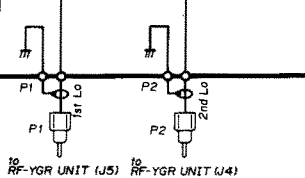
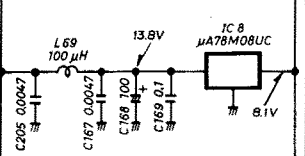
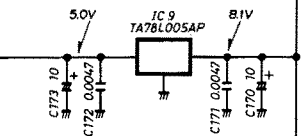
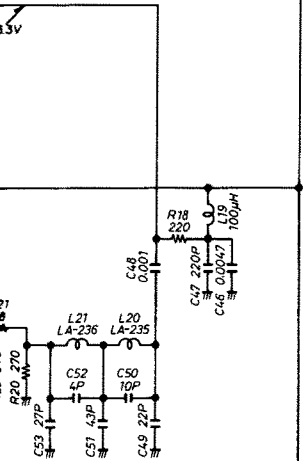
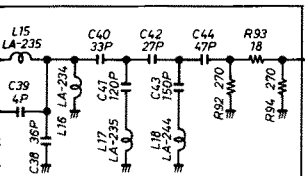
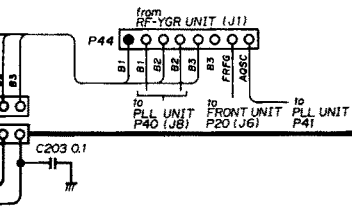
SECTION 4 VOLTAGE DIAGRAMS

4-1 FRONT UNIT

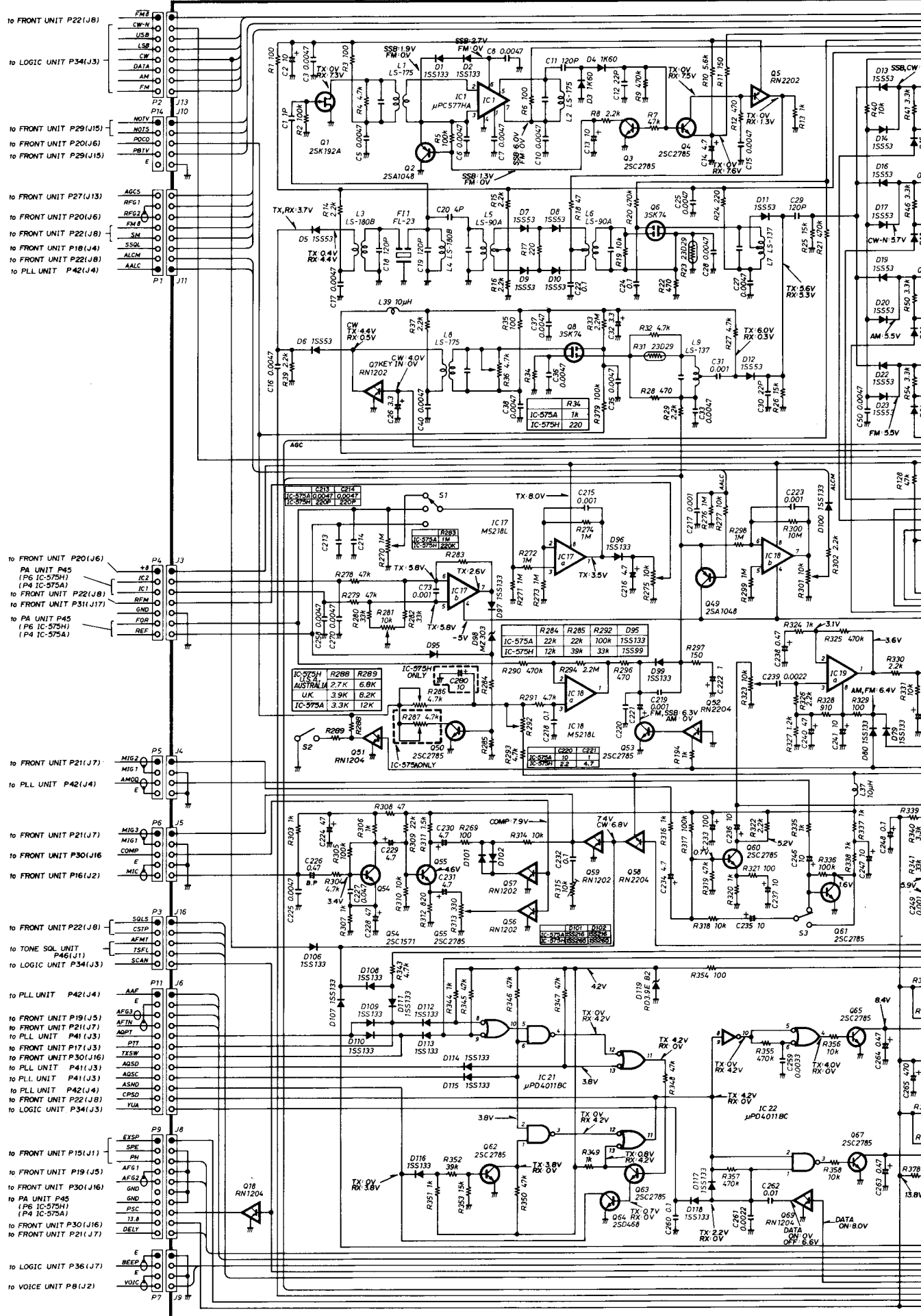


4-2 LOGIC UNIT

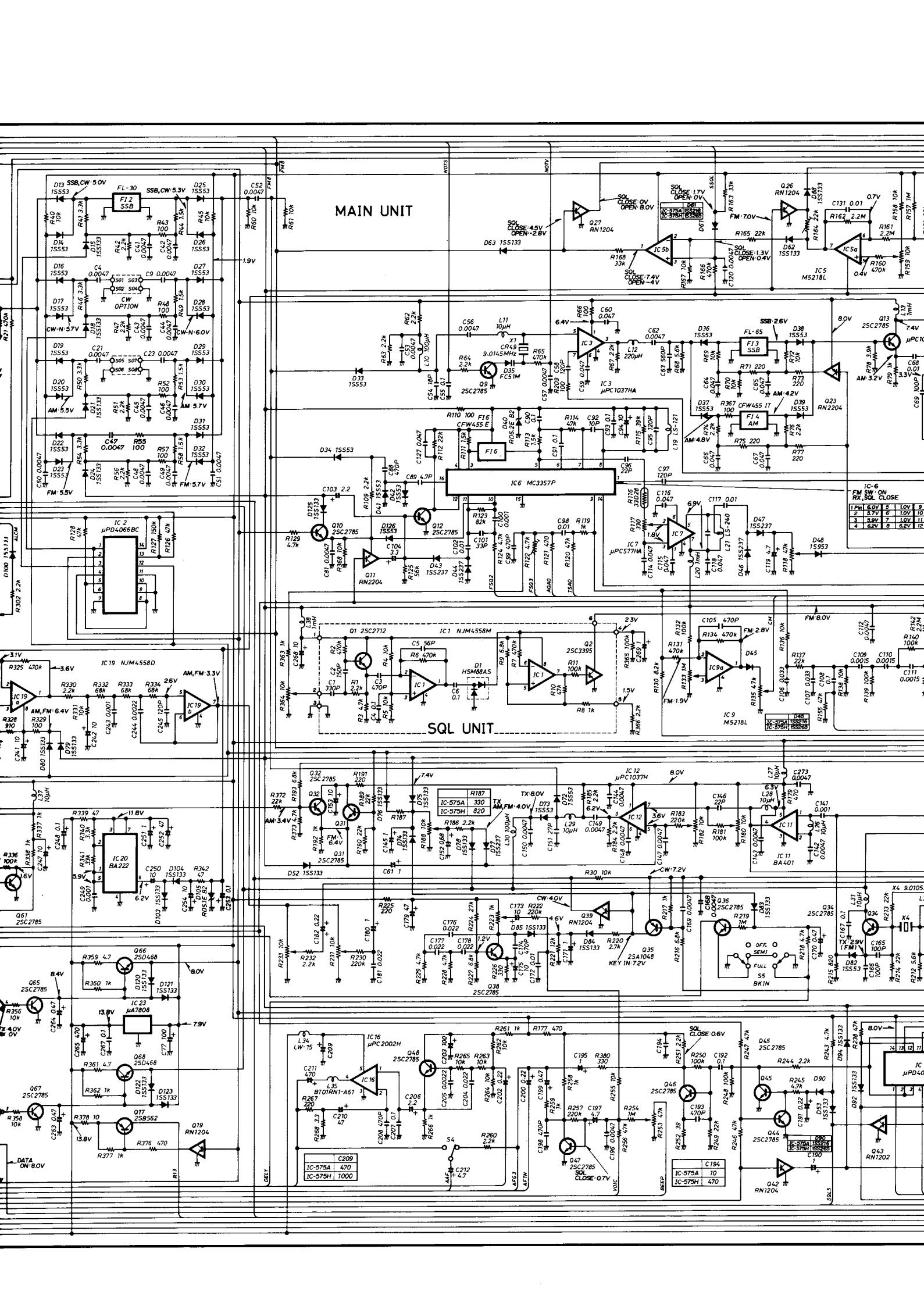




4-4 MAIN AND SQUELCH UNITS



- to FRONT UNIT P22(J8)
 - FM
 - CW-N
 - USB
 - LSB
 - CW
 - DATA
 - AM
 - FM
- to LOGIC UNIT P34(J3)
 - P2
 - P14
 - J10
- to FRONT UNIT P29(J15)
 - NOTV
 - NOTS
- to FRONT UNIT P20(J6)
 - PCDC
- to FRONT UNIT P29(J15)
 - PBT
 - E
- to FRONT UNIT P27(J13)
 - AGES
- to FRONT UNIT P20(J6)
 - RF2
 - FM
- to FRONT UNIT P22(J8)
 - SM
- to FRONT UNIT P18(J4)
 - ALCM
- to FRONT UNIT P22(J8)
 - AALC
- to PLL UNIT P42(J4)
 - P1
 - J11
- to FRONT UNIT P20(J6)
 - P4
 - J3
 - PA UNIT P45 (P6 IC-575H) (P4 IC-575A)
 - IC2
 - IC1
 - RFM
 - GND
 - FOR
 - REF
- to FRONT UNIT P21(J7)
 - MIG2
 - MIG1
 - AMOD
 - E
- to PLL UNIT P42(J4)
 - P5
 - J4
- to FRONT UNIT P21(J7)
 - MIG3
- to FRONT UNIT P30(J16)
 - COMP
- to FRONT UNIT P16(J2)
 - MIC
- to FRONT UNIT P22(J8)
 - P3
 - J16
- to TONE SOL UNIT P46(J1)
 - TSFL
- to LOGIC UNIT P34(J3)
 - SCAN
- to PLL UNIT P42(J4)
 - P11
 - J6
- to FRONT UNIT P19(J5)
 - AFG
- to FRONT UNIT P21(J7)
 - AFM
- to FRONT UNIT P41(J3)
 - ADPT
- to FRONT UNIT P17(J3)
 - PIT
- to FRONT UNIT P30(J16)
 - TXSW
- to PLL UNIT P41(J3)
 - AQSD
- to PLL UNIT P41(J3)
 - AQSC
- to PLL UNIT P42(J4)
 - ASND
- to FRONT UNIT P22(J8)
 - CPSD
- to LOGIC UNIT P34(J3)
 - YIA
- to FRONT UNIT P15(J1)
 - P9
 - J8
- to FRONT UNIT P19(J5)
 - EXSP
 - SPE
 - ZH
 - AF1
 - AF2
- to FRONT UNIT P30(J16)
 - GND
 - PSC
 - I3
- to FRONT UNIT P30(J16)
 - DELY
- to LOGIC UNIT P36(J7)
 - E
 - BEEP
- to VOICE UNIT P8(J2)
 - P7
 - J5



MAIN UNIT

SQL UNIT

| | | | |
|---|----------|-----|----|
| 1 | FM SW ON | 10V | 9 |
| 2 | FM SW ON | 10V | 10 |
| 3 | FM SW ON | 10V | 11 |
| 4 | FM SW ON | 10V | 12 |

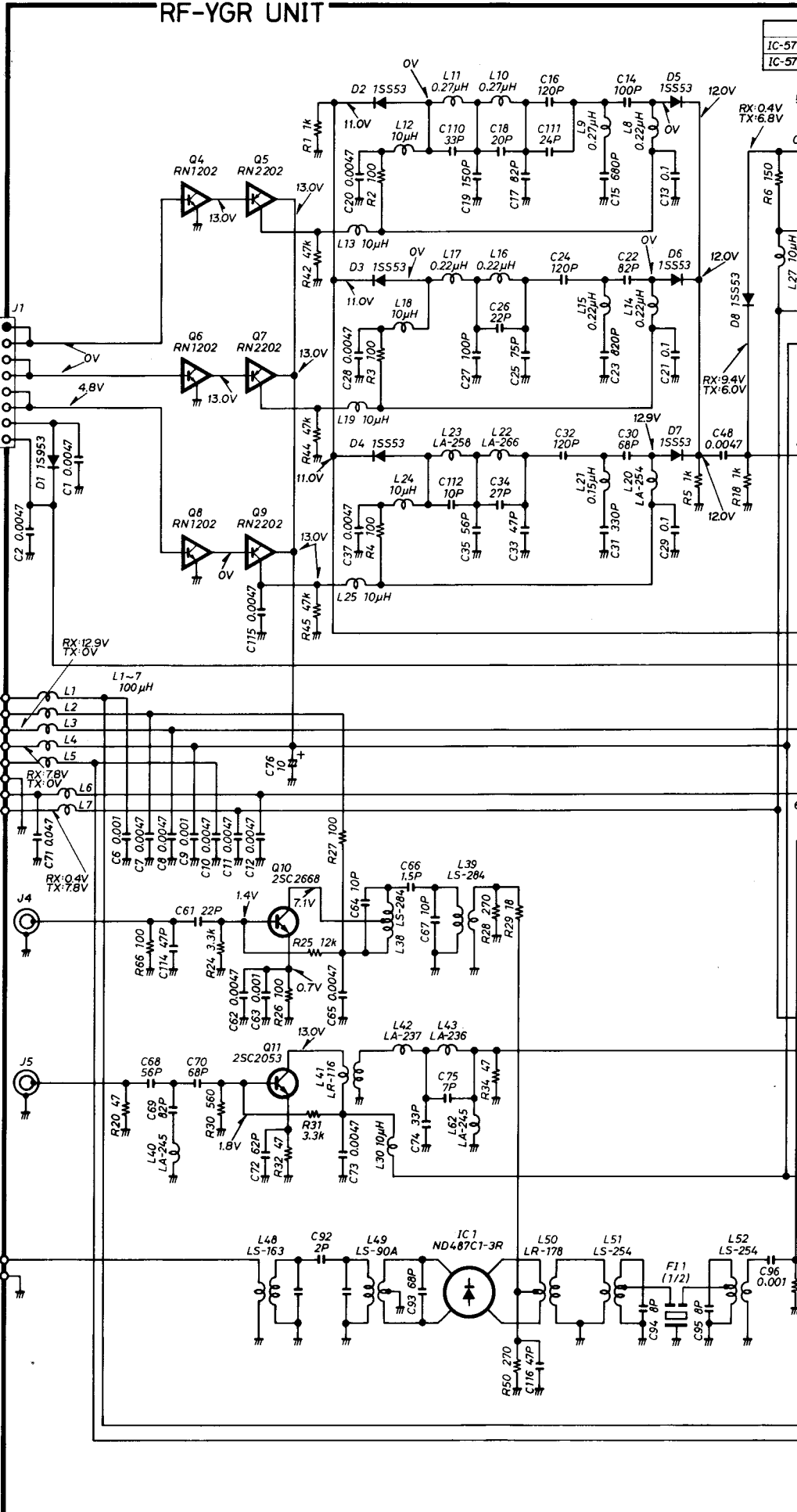
| | | |
|-------|----------|------|
| IC 16 | MPC2002H | 480 |
| IC 17 | M5218L | 1000 |
| IC 18 | M5218L | 470 |
| IC 19 | M5218L | 470 |

| | | |
|-------|--------|-----|
| IC 20 | M5218L | 470 |
| IC 21 | M5218L | 470 |
| IC 22 | M5218L | 470 |
| IC 23 | M5218L | 470 |

4-5 RF-YGR UNIT

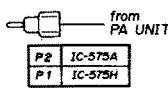
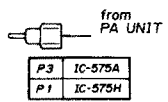
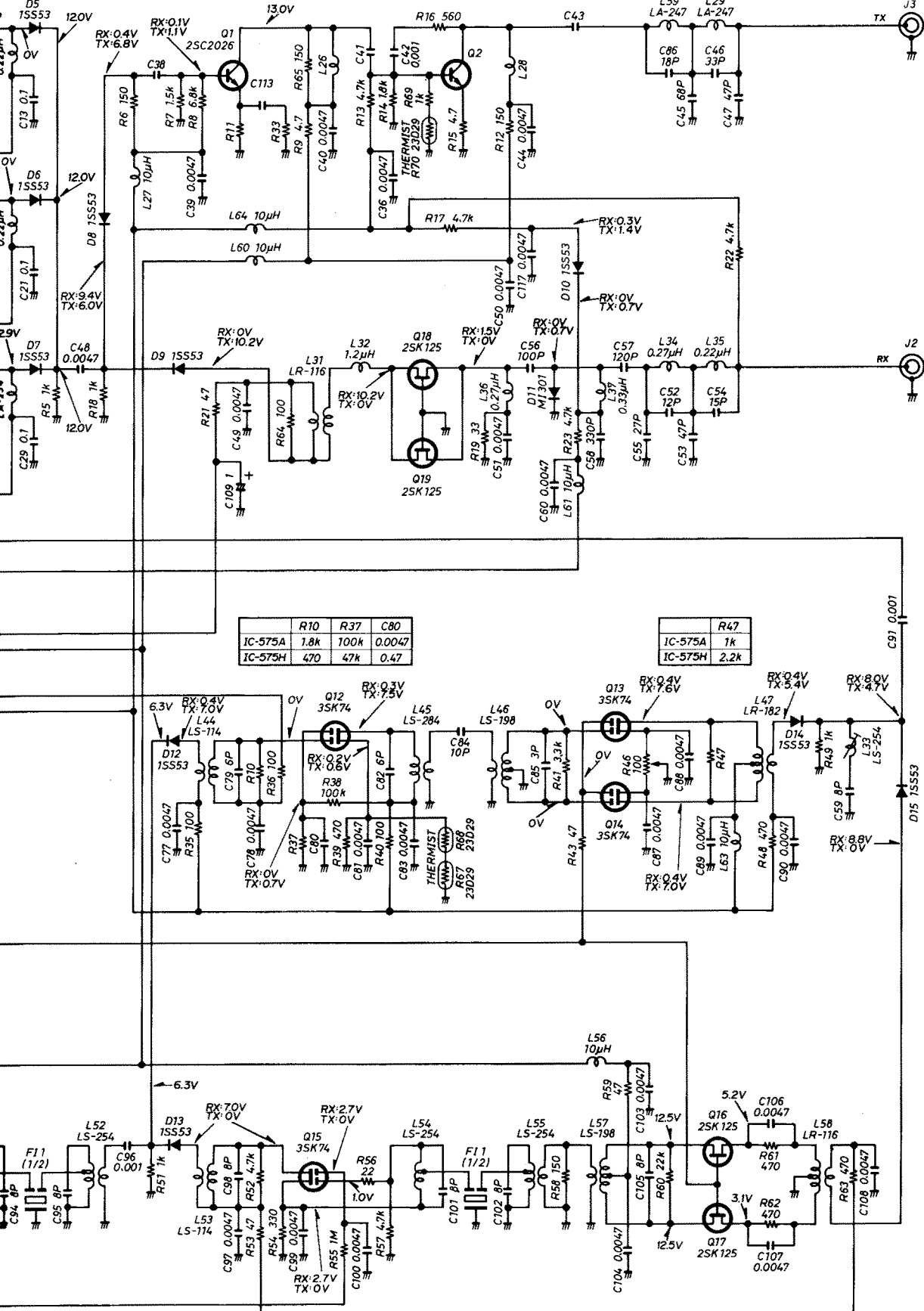
RF-YGR UNIT

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



| | | | | | |
|---------|-----|-----|--------|-------|------|
| R11 | R33 | C38 | C41 | L26 | C113 |
| IC-575A | 22 | 4.7 | 120P | 0.001 | 10 |
| IC-575H | 68 | 8.2 | 0.0047 | 120P | 1000 |

| | |
|---------|--------|
| C43 | L28 |
| IC-575A | 0.0047 |
| IC-575H | 100P |

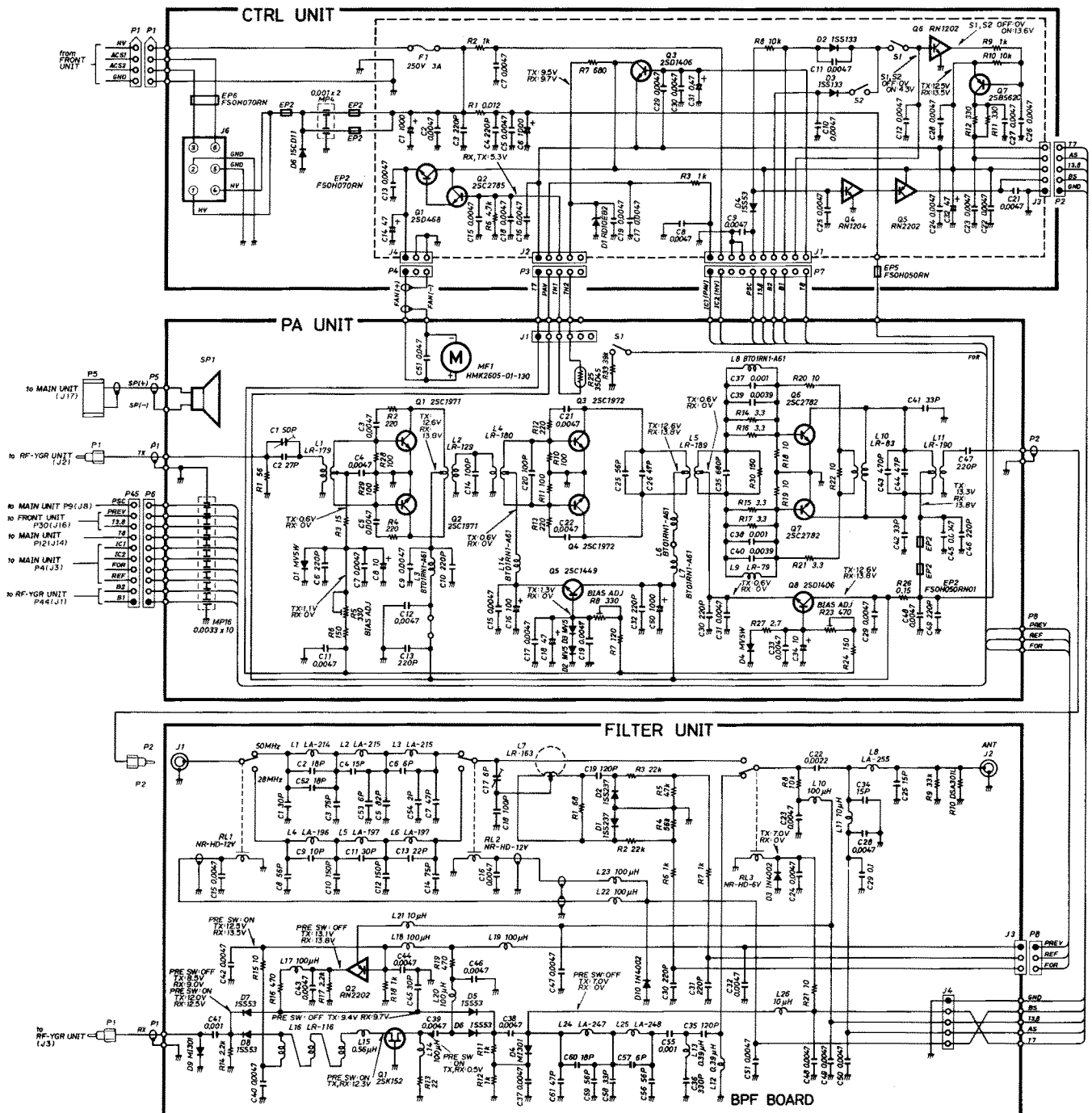


| | | |
|---------|------|------|
| R10 | R37 | C80 |
| IC-575A | 1.8k | 100k |
| IC-575H | 470 | 47k |

| |
|---------|
| R47 |
| IC-575A |
| IC-575H |

F11 FL-64

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. |
|----------|-------------|------------|
| IC1 | IC | μPD4066BC |
| IC2 | IC | μPD4011BC |
| 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. |
|----------|-------------------|--------------------------------------|
| 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 kΩ R20 |
| R2 | Resistor | 47 kΩ R20 |
| R3 | Resistor | 100 Ω R50X |
| R4 | Resistor | 100 Ω R50X |
| R5 | Resistor | 5.6 kΩ ELR20 |
| R6 | Resistor | 1 kΩ R20 |
| R7 | Resistor | 1 kΩ ELR20 |
| R9 | Variable Resistor | 10 kΩ B RK0971110 |
| R10 | Resistor | 1 kΩ R20 |
| R11 | Variable Resistor | 10 kΩ B RK0971110D04A |
| R12 | Resistor | 220 kΩ R20 |
| R13 | Variable Resistor | 10 kΩ B/1 kΩ B RK097121T004A |
| R14 | Resistor | 10 kΩ R20 |
| R15 | Resistor | 3.3 kΩ R20 |
| R16 | Variable Resistor | 10 kΩ B RK097111T005A |
| R17 | Variable Resistor | 10 kΩ B × 2/10 kΩ A RK1242320009A |
| R18 | Trimmer | 4.7 kΩ RH0651CS3J2KA |
| R19 | Resistor | 470 Ω R20 |
| R20 | Variable Resistor | 10 kΩ A RK097111T004A |

[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 kΩ | R20 | |
| R35 | Resistor | 47 kΩ | R20 | |
| R36 | Resistor | 47 kΩ | R20 | |
| R37 | Resistor | 47 kΩ | R20 | |
| R38 | Resistor | 47 kΩ | R20 | |
| R39 | Resistor | 47 kΩ | R20 | |
| R40 | Resistor | 47 kΩ | ELR20 | |
| R41 | Resistor | 47 kΩ | ELR20 | |
| R42 | Resistor | 47 kΩ | ELR20 | |
| R43 | Resistor | 47 kΩ | R20 | |
| R44 | Array | 10 kΩ | RMX-8 | |
| R46 | Resistor | 10 kΩ | ELR20 | |
| R47 | Resistor | 22 Ω | R50X | |
| R48 | Resistor | 47 kΩ | ELR20 | |
| R49 | Array | 10 kΩ | RMX-8 | |
| R50 | Resistor | 47 kΩ | ELR20 | |
| | | | | |
| C1 | Electrolytic | 0.33 μF | 50 V | MS7 |
| C2 | Barrier Layer | 0.1 μF | 16 V | |
| C3 | Barrier Layer | 0.1 μF | 16 V | |
| C4 | Ceramic | 22 pF | 50 V | |
| C5 | Ceramic | 22 pF | 50 V | |
| C6 | Barrier Layer | 0.0047 μF | 25 V | |
| C7 | Barrier Layer | 0.0047 μF | 25 V | |
| C8 | Barrier Layer | 0.0047 μF | 25 V | |
| C9 | Ceramic | 0.001 μF | 50 V | |
| C10 | Ceramic | 47 pF | 50 V | |
| C11 | Barrier Layer | 0.01 μF | 25 V | |
| C12 | Electrolytic | 0.47 μF | 50 V | MS7 |
| C13 | Barrier Layer | 0.01 μF | 25 V | |
| C14 | Ceramic | 30 pF | 50 V | |
| C15 | Ceramic | 30 pF | 50 V | |
| C16 | Ceramic | 0.001 μF | 50 V | |
| C17 | Ceramic | 0.001 μF | 50 V | |
| C18 | Ceramic | 100 pF | 50 V | |
| C19 | Ceramic | 0.001 μF | 50 V | |
| C20 | Ceramic | 0.001 μF | 50 V | |
| C21 | Ceramic | 0.001 μF | 50 V | |
| C22 | Ceramic | 0.001 μF | 50 V | |
| C23 | Ceramic | 100 pF | 50 V | |
| C24 | Electrolytic | 0.47 μF | 50 V | MS7 |
| C25 | Electrolytic | 47 μF | 16 V | MS7 |
| C26 | Barrier Layer | 0.01 μF | 25 V | |
| C27 | Ceramic | DD106 F | 103Z 50 V | |
| C28 | Cylinder | 0.01 μF | TP125X 103M | |
| C29 | Barrier Layer | 0.01 μF | 25 V | |
| C30 | Barrier Layer | 0.01 μF | 25 V | |
| C31 | Ceramic | DD106 F | 103Z 50 V | |
| C32 | Ceramic | DD106 F | 103Z 50 V | |
| C33 | Barrier Layer | 0.01 μF | 25 V | |
| C34 | Tantalum | 1 μF | 16 V DA | |
| C35 | Ceramic | DD106 F | 103Z 50 V | |
| C37 | Tantalum | 1 μF | 16 V DA | |
| C38 | Tantalum | 1 μF | 16 V DA | |
| C39 | Tantalum | 1 μF | 16 V DA | |
| C40 | Ceramic | DD106 F | 103Z 50 V | |
| C41 | Ceramic | DD106 F | 103Z 50 V | |
| C42 | Barrier Layer | 0.01 μF | 25 V | |
| C43 | Ceramic | 0.001 μF | 50 V | |
| C44 | Barrier Layer | 0.01 μF | 25 V | |
| C45 | Barrier Layer | 0.01 μF | 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 | μA78M08UC |
| 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 MΩ | MCR10 |
| R2 | Resistor | 680 Ω | MCR10 |
| R3 | Resistor | 2.2 kΩ | MCR10 |
| R4 | Array | GF5096 | |
| | | | |
| C1 | Trimmer | 10 pF | TZB04N100BA |
| C2 | Ceramic | 33 pF | GRM40 CH |
| C3 | Ceramic | 0.1 μF | 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 μF | GRM40 F |
| C15 | Ceramic | 0.1 μF | GRM40 F |
| C16 | Ceramic | 0.1 μF | GRM40 F |
| C17 | Ceramic | 0.1 μF | GRM40 F |
| C18 | Ceramic | 18 pF | GRM40 UJ |
| C19 | Ceramic | 0.001 μF | 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 | μPD4011BC | |
| IC22 | IC | μPD4011BC | |
| IC23 | IC | μA7808 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 | μPC577H A | |
| IC2 | IC | μPD4066BC | |
| IC3 | IC | μPC1037H A | |
| IC4 | IC | μPC1037H A | |
| IC5 | IC | M5218L | |
| IC6 | IC | MC3357P | |
| IC7 | IC | μPC577H A | |
| IC9 | IC | M5218L | |
| IC10 | IC | BA618 | |
| IC11 | IC | BA401 | |
| IC12 | IC | μPC1037H A | |
| IC13 | IC | μPC1037H A | |
| IC14 | IC | BA695 | |
| IC15 | IC | μPD4066BC | |
| IC16 | IC | μPC2002H | |
| 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 100μ |
| L11 | Coil | LAL03NA 100K 10μ |
| L12 | Coil | LAL03NA 221K 220μ |
| L13 | Coil | LAL03NA 102K 1000μ |
| L14 | Coil | LS-98A |
| L15 | Coil | LS-163 |
| L16 | Coil | LS-175 |
| L17 | Coil | LS-282 |
| L18 | Coil | LAL03NA 101K 100μ |
| L19 | Coil | LS-121 |
| L20 | Coil | LAL03NA 102K 1000μ |
| L21 | Coil | LS-240 |
| L22 | Coil | LAL03NA R33M 0.33μ |
| L23 | Coil | LS-134 |
| L24 | Coil | LS-133A |
| L25 | Coil | LAL03NA 101K 100μ |
| L26 | Coil | LAL03NA 100K 10μ |
| L27 | Coil | LAL03NA 100K 10μ |
| L28 | Coil | LAL03NA 100K 10μ |
| L29 | Coil | LAL03NA 100K 10μ |
| L30 | Coil | LAL03NA 101K 100μ |
| L31 | Coil | LAL03NA 100K 10μ |
| L32 | Coil | LS-133A |
| L33 | Coil | LAL03NA 150K 15μ |
| L34 | Coil | LW-15 |
| L35 | Coil | BT01RN1-A61 |
| L37 | Coil | LAL03NA 100K 10μ |
| L38 | Coil | LAL03NA 102K 1000μ |
| L39 | Coil | LAL03NA 100K 10μ |
| L40 | Coil | LAL03NA 101K 100μ |
| L41 | Coil | LAL03NA 101K 100μ |
| R1 | Resistor | 100 Ω ELR20 |
| R2 | Resistor | 100 kΩ ELR20 |
| R3 | Resistor | 100 Ω R20 |
| R4 | Resistor | 4.7 kΩ ELR20 |
| R5 | Resistor | 100 kΩ ELR20 |
| R6 | Resistor | 100 Ω R20 |
| R7 | Resistor | 47 kΩ ELR20 |
| R8 | Resistor | 2.2 kΩ ELR20 |
| R9 | Resistor | 470 kΩ ELR20 |
| R10 | Resistor | 5.6 kΩ ELR20 |
| R11 | Resistor | 150 Ω R20 |
| R12 | Resistor | 470 Ω ELR20 |
| R13 | Resistor | 1 kΩ ELR20 |
| R14 | Resistor | 2.2 kΩ R20 |
| R15 | Resistor | 2.2 kΩ R20 |
| R16 | Resistor | 2.2 kΩ R20 |

[MAIN UNIT]

| REF. NO. | DESCRIPTION | PART NO. |
|----------|-------------|----------------------|
| R17 | Resistor | 220 Ω ELR20 |
| R18 | Resistor | 47 Ω R20 |
| R19 | Resistor | 10 kΩ ELR20 |
| R20 | Resistor | 470 kΩ ELR20 |
| R21 | Resistor | 470 kΩ R20 |
| R22 | Resistor | 470 Ω ELR20 |
| R23 | Thermistor | 23D29 |
| R24 | Resistor | 220 Ω ELR20 |
| R25 | Resistor | 15 kΩ R20 |
| R26 | Resistor | 15 kΩ ELR20 |
| R27 | Resistor | 4.7 kΩ R20 |
| R28 | Resistor | 470 Ω ELR20 |
| R29 | Resistor | 2.2 kΩ ELR20 |
| R30 | Resistor | 10 kΩ R20 |
| R31 | Thermistor | 23D29 |
| R32 | Resistor | 4.7 kΩ ELR20 |
| R33 | Resistor | 2.2 MΩ ELR20 |
| R34 | Resistor | 1 kΩ ELR20 |
| | (IC-575A) | |
| | Resistor | 220 Ω ELR20 |
| | (IC-575H) | |
| R35 | Resistor | 100 Ω R20 |
| R36 | Trimmer | 4.7 kΩ RH0651CS3J2KA |
| R37 | Resistor | 2.2 kΩ ELR20 |
| R38 | Resistor | 10 kΩ ELR25 |
| R39 | Resistor | 2.2 kΩ R20 |
| R40 | Resistor | 10 kΩ R20 |
| R41 | Resistor | 3.3 kΩ R20 |
| R42 | Resistor | 2.2 kΩ ELR20 |
| R43 | Resistor | 100 Ω R25 |
| R44 | Resistor | 1.5 kΩ R20 |
| R45 | Resistor | 10 kΩ R25 |
| R46 | Resistor | 3.3 kΩ R20 |
| R47 | Resistor | 2.2 kΩ ELR20 |
| R48 | Resistor | 100 Ω R25 |
| R49 | Resistor | 1.5 kΩ R20 |
| R50 | Resistor | 3.3 kΩ ELR20 |
| R51 | Resistor | 2.2 kΩ ELR20 |
| R52 | Resistor | 100 Ω R25 |
| R53 | Resistor | 1.5 kΩ R20 |
| R54 | Resistor | 3.3 kΩ ELR20 |
| R55 | Resistor | 100 Ω R25 |
| R56 | Resistor | 2.2 kΩ R20 |
| R57 | Resistor | 100 Ω ELR20 |
| R58 | Resistor | 1.5 kΩ ELR20 |
| R59 | Resistor | 1 kΩ ELR20 |
| R60 | Resistor | 10 kΩ ELR20 |
| R61 | Resistor | 10 kΩ ELR20 |
| R62 | Resistor | 2.2 kΩ ELR20 |
| R63 | Resistor | 2.2 kΩ ELR20 |
| R64 | Resistor | 2.2 kΩ ELR20 |
| R65 | Resistor | 470 kΩ ELR20 |
| R66 | Resistor | 100 Ω R25 |
| R67 | Resistor | 2.2 kΩ ELR20 |
| R68 | Resistor | 5.6 kΩ ELR20 |
| R69 | Resistor | 10 kΩ ELR20 |
| R70 | Resistor | 10 kΩ ELR20 |
| R71 | Resistor | 220 Ω ELR20 |
| R72 | Resistor | 10 kΩ ELR20 |
| R73 | Resistor | 220 Ω ELR20 |
| R74 | Resistor | 2.2 kΩ ELR20 |
| R75 | Resistor | 220 Ω ELR20 |
| R76 | Resistor | 2.2 kΩ ELR20 |
| R77 | Resistor | 220 Ω ELR20 |
| R78 | Resistor | 3.9 kΩ ELR20 |
| R79 | Resistor | 1 kΩ ELR20 |
| R80 | Resistor | 2.2 kΩ ELR20 |
| R81 | Resistor | 100 Ω ELR20 |
| R82 | Resistor | 3.9 kΩ ELR20 |
| R83 | Resistor | 330 Ω ELR20 |
| R84 | Resistor | 100 Ω ELR20 |
| R85 | Trimmer | 22 kΩ RH0651CJ4J01A |
| R86 | Resistor | 1 kΩ 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 | 1S553 |
| D3 | Diode | 1S553 |
| D4 | Diode | 1S553 |
| D5 | Diode | 1S553 |
| D6 | Diode | 1S553 |

[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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