ICOM

SERVICE MANUAL

VHF TRANSCEIVERS

IC-F1000
IC-F1000S
IC-F1000T
IC-F1000T-T

S-15106XZ-C1
August 2014

Icom Inc.

INTRODUCTION

This service manual describes the latest technical information for the **IC-F1000 series** VHF TRANSCEIVERS, at the time of publication.

MODEL	VERSION	VERSION NUMBER	FREQUENCY RANGE (MHz)	KEY TYPE
IC-F1000	USA-01	[#01]	136–174	—
	EUR-01	[#02]		
	UK-01	[#03]		
	EXP-01	[#04]		
IC-F1000S	USA-01	[#05]		4-key
	EUR-01	[#06]		
	UK-01	[#07]		
	EXP-01	[#08]		
IC-F1000T	USA-01	[#09]		10-key
	EUR-01	[#10]		
	UK-01	[#11]		
	EXP-01	[#12]		
IC-F1000T-T	THA-01	[#13]		

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.

CAUTION

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than the specified voltage. This will ruin the transceiver.

DO NOT expose the transceiver to rain, snow or liquids.

DO NOT reverse the polarities of the power supply when connecting the transceiver.

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front-end.

ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

1. 10-digit Icom part number
2. Component name
3. Equipment model name and unit name
4. Quantity required

<ORDER EXAMPLE>

1110003491	S.IC	TA31136FNG	IC-F1000	MAIN UNIT	5 pieces
8820001210	Screw	2438 screw	IC-F1000S	Top cover	10 pieces

Addresses are provided on the inside back cover for your convenience.

(IC-F1000T)

REPAIR NOTES

1. Make sure that the problem is internal before dis-assembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool MUST be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the transceiver is defective.
6. **DO NOT** transmit power into a Standard Signal Generator or a Sweep Generator, otherwise the RF power may damage them.
7. **ALWAYS** connect a 30 dB to 40 dB attenuator between the transceiver and a Deviation Meter or Spectrum Analyzer, when using such test equipment.
8. **READ** the instructions of the test equipment thoroughly before connecting it to the transceiver.

TABLE OF CONTENTS

SECTION 1 SPECIFICATIONS

GENERAL

• Frequency range:	136–174 MHz		
• Number of conventional channels:	16 channels		
• Type of emission: (Occupied band-width)	[EXP], [THA]	Wide:	16K0F3E (25.0 kHz)
		Narrow:	11K0F3E (12.5 kHz)
	[USA]	Narrow:	11K0F3E (12.5 kHz)
	[EUR], [UK]	Wide:	16K0F3E (25.0 kHz)
		Middle:	14K0F3E (20.0 kHz)
		Narrow:	8K50F3E (12.5 kHz)
• Antenna impedance:	50 Ω (Nominal)		
• Operating temperature range:	–30˚C to +60˚C: –22˚F to +140˚F (Except [EUR], [UK].) –25˚C to +55˚C (For [EUR], [UK].)		
• Power supply voltage:	Specified Icom's battery packs only (7.5 V DC: negative ground)		
• Current drain (Approximately):	Receiving	77 mA (stand-by) 330 mA (maximum audio, internal speaker)	
	Transmitting	1.3 A (at 5 W)	
• Dimensions: (Projections not included)	With BP-278	52.2(W)×111.5(H)×22.3(D) mm: 2.1(W) × 4.4(H) × 0.9(D) inches	
	With BP-279	52.2(W)×111.5(H)×24.5(D) mm: 2.1(W) × 4.4(H) × 1(D) inches	
• Weight (Approximately):	With BP-278	230 g: 8.1 oz.	
	With BP-279	240 g: 8.5 oz.	
• Intermediate frequencies:	1st 46.35 MHz 2nd 450 kHz		
• Output impedance (Speaker):	8 Ω		
• Input impedance (Microphone):	2.2 kΩ		

TRANSMITTER

• Output power:	5 W	
• Modulation:	Variable reactance frequency modulation	
• Maximum frequency deviation:	Wide	±5.0 kHz
	Middle	±4.0 kHz
	Narrow	±2.5 kHz
• Frequency stability:	±2.5 ppm	
• Spurious emissions:	70 dB minimum (Except [EUR], [UK].) 0.25 µW (≤1 GHz), 1.0 µW (>1 GHz) (For [EUR], [UK].)	
• Adjacent channel power:	Wide	70 dB minimum, 74 dB typical
	Middle	70 dB minimum, 72 dB typical
	Narrow	60 dB minimum, 70 dB typical
• Audio harmonic distortion:	Wide	1.0% typical at AF 1 kHz 40% deviation
	Middle	1.0% typical at AF 1 kHz 40% deviation
	Narrow	1.5% typical at AF 1 kHz 40% deviation
• FM hum and Noise: (Except [EUR], [UK]) (Without CCITT FILTER)	Wide	40 dB minimum, 46 dB typical
	Narrow	34 dB minimum, 40 dB typical
• Residual modulation ([EUR], [UK]): (With CCITT FILTER)	Wide	45 dB minimum, 50 dB typical
	Middle	43 dB minimum, 47 dB typical
	Narrow	40 dB minimum, 44 dB typical
• Limitting charact of modulator:	60–100% of maximum deviation	

RECEIVER

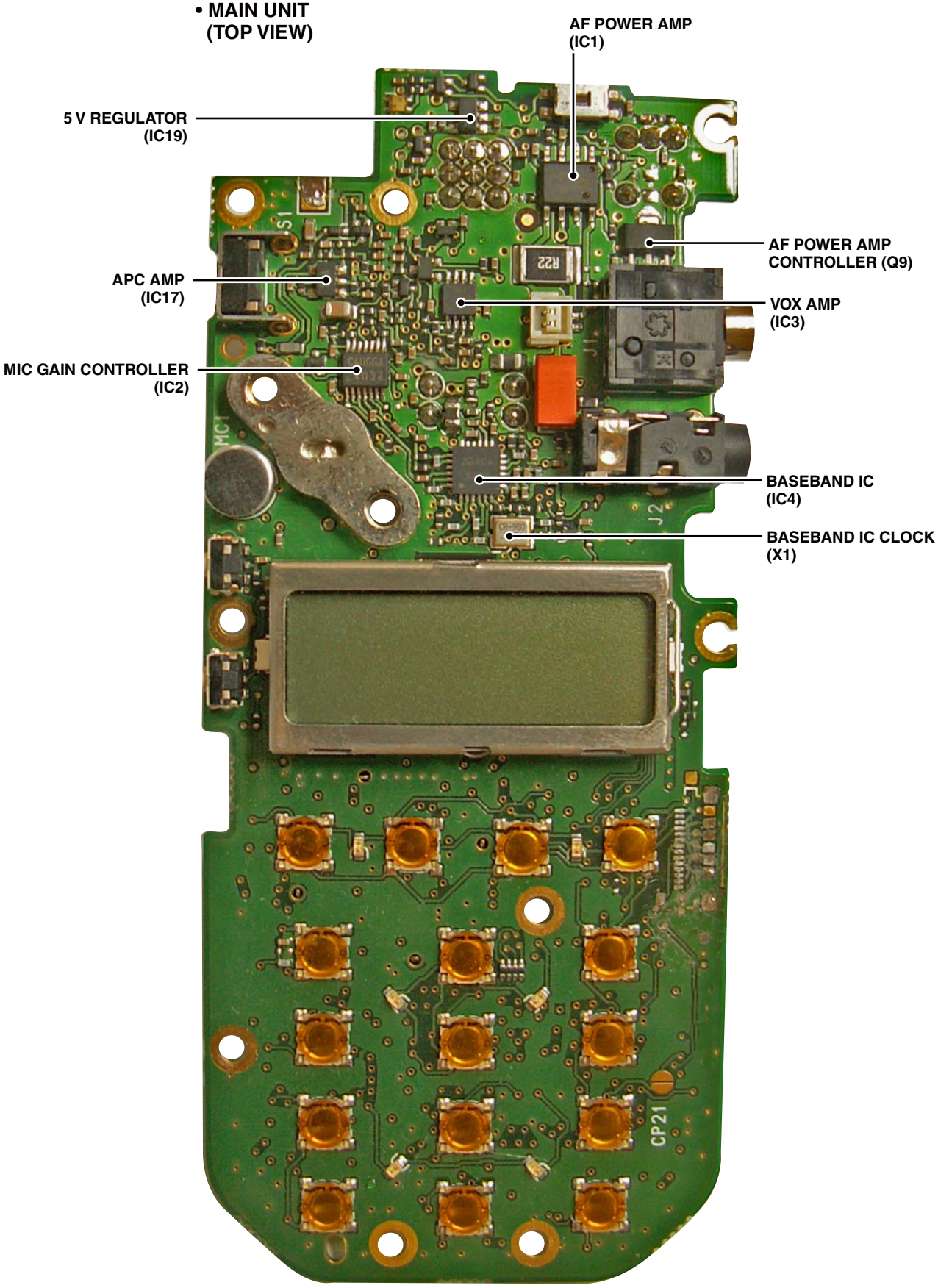
• Sensitivity:	0.25 µV typical at 12 dB SINAD (Except [EUR], [UK].) –4.0 dBµV emf typical at 20 dB SINAD (For [UK], [EUR].)	
• Intermodulation:	70 dB minimum, 74 dB typical (Except [EUR], [UK].) 65 dB minimum, 68 dB typical (For [UK], [EUR].)	
• Spurious response:	70 dB minimum	
• Audio output power:	0.8 W typical at 5% distortion into the 12 Ω internal speaker. 0.4 W typical at 5% distortion into an 8 Ω external speaker.	
• Hum and noise (Except [EUR], [UK]): (Without CCITT Filter)	Wide	40 dB minimum, 51 dB typical
	Narrow	34 dB minimum, 45 dB typical
• Hum and noise (For [EUR], [UK]): (With CCITT Filter)	Wide	45 dB minimum, 52 dB typical
	Middle	43 dB minimum, 49 dB typical
	Narrow	40 dB minimum, 46 dB typical
• Adjacent channel selectivity:	Wide	70 dB minimum, 76 dB typical
	Middle	70 dB minimum, 72 dB typical
	Narrow	40 dB minimum, 53 dB typical
• Squelch sensitivity:	0.25 µV typical (Except [EUR], [UK].) –4 dBµV emf typical (For [UK], [EUR].)	

Specifications are measured in accordance with TIA-603 or EN 300 086.

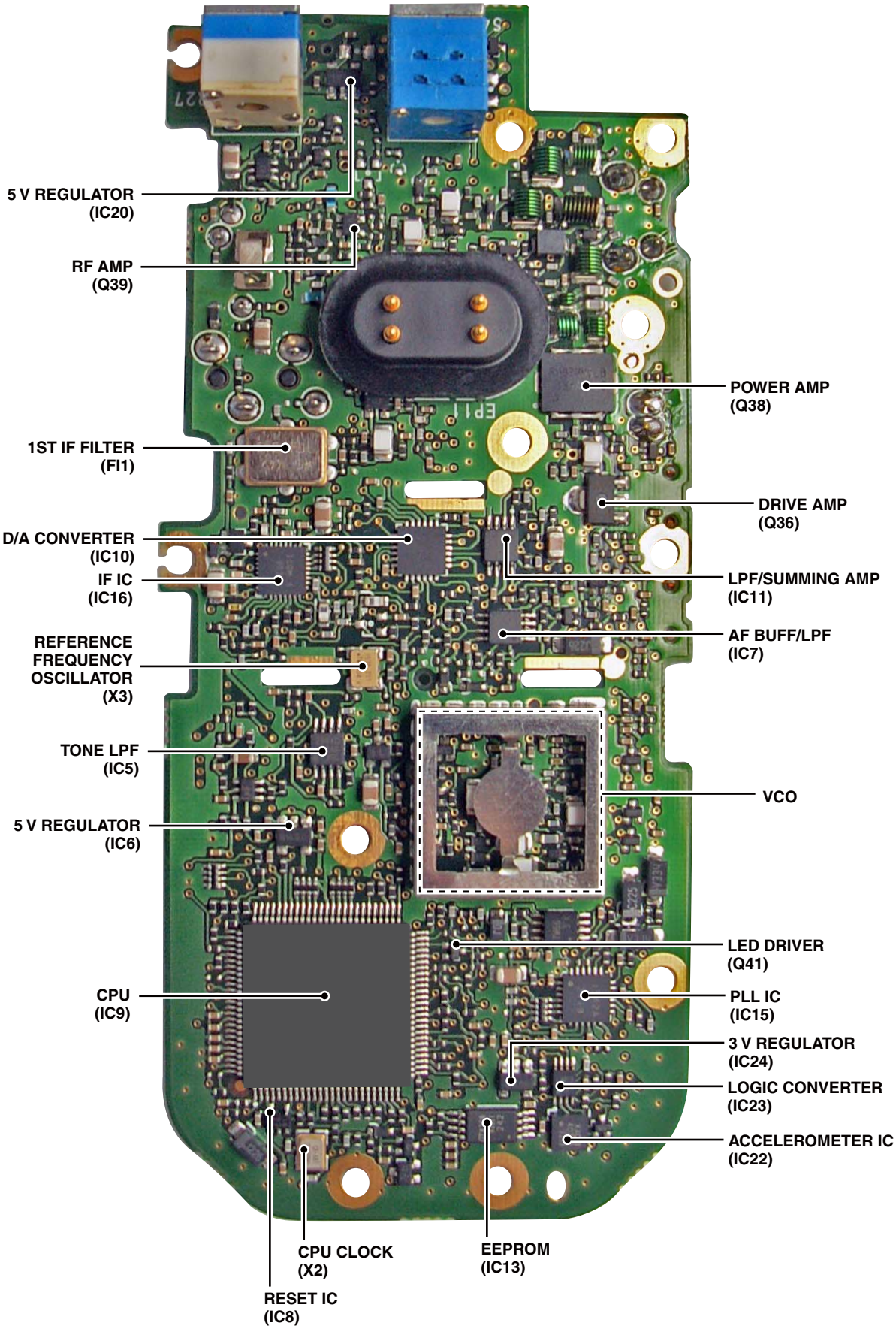
All stated specifications are subject to change without notice or obligation.

SECTION 2 INSIDE VIEWS

• MAIN UNIT
(TOP VIEW)



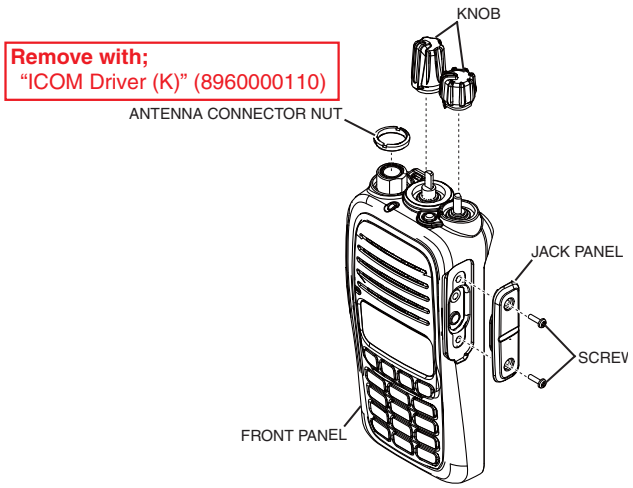
• MAIN UNIT
(BOTTOM VIEW)



SECTION 3 DISASSEMBLY INSTRUCTION

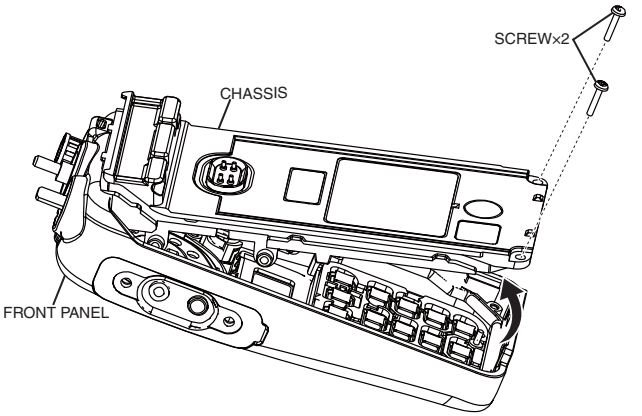
1. REMOVING THE FRONT PANEL

1) Remove the antenna connector nut and 2 knobs.
2) Remove 2 screws and jack panel.



3) Remove 2 screws from the bottom of the CHASSIS.
4) Lift the bottom of the CHASSIS up in the direction of the arrow.

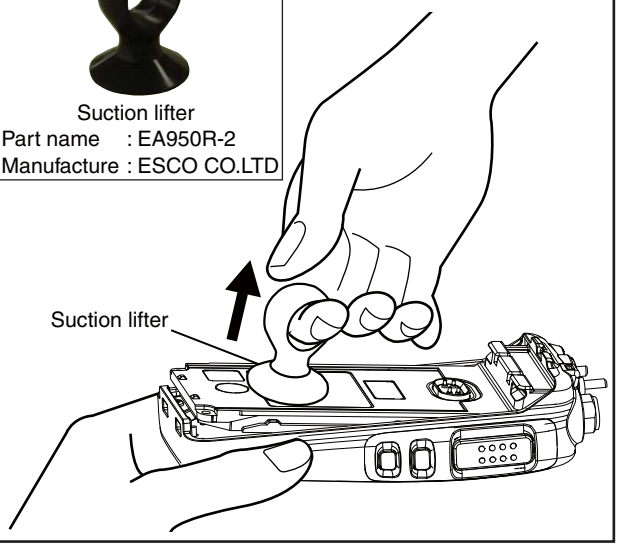
BE CAREFUL when you disassemble the front panel from the transceiver body. Otherwise the **speaker cable** and the **connector** may be cut.



For easy separation of the CHASSIS

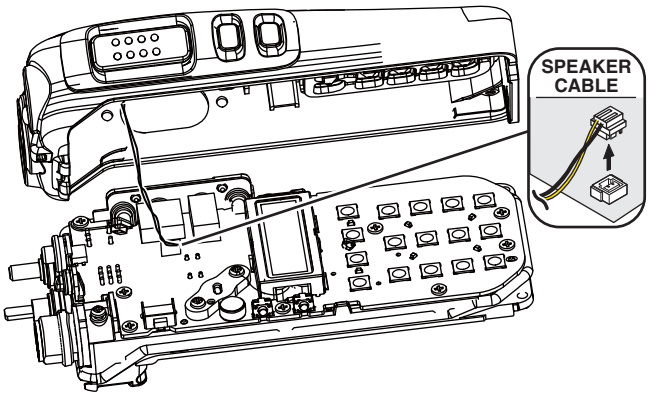
Use a suction lifter to lift the bottom of the CHASSIS up.

Suction lifter
• Part name : EA950R-2
• Manufacture : ESCO CO.LTD



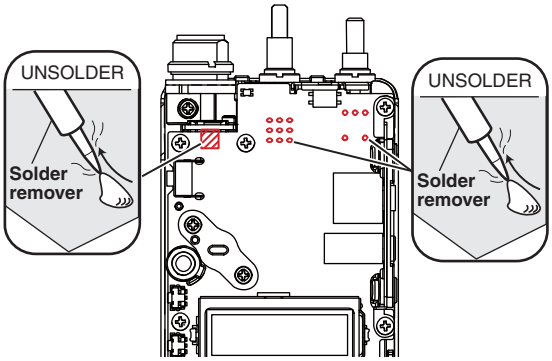
(Continued to the right above)

5) CAREFULLY lift the chassis out of the front panel and turn it over in order to unplug the speaker cable.

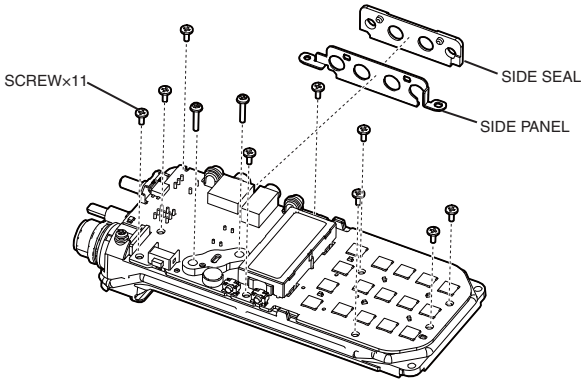


2. REMOVING THE MAIN UNIT

1) Unsolder total of 15 points as shown.



2) Remove 11 screws and the side panel and side seal from the MAIN UNIT.
3) Remove the MAIN UNIT from the chassis.



SECTION 4 CIRCUIT DESCRIPTION

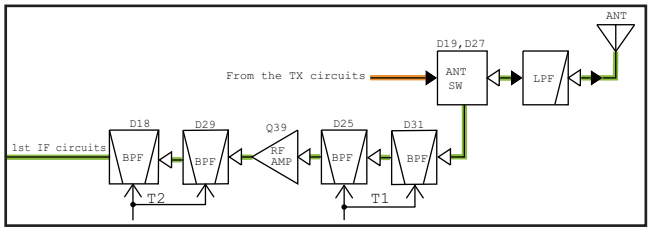
4-1 RECEIVE CIRCUITS

RF CIRCUIT

The RX signal from the antenna is passed through the LPF (L29 to L31, C333, C347 to C350, C352 and C403) and antenna SW (D19 and D27) then filtered by the 2-staged tuned BPF (D25 and D31) to eliminate unwanted out-of-Band signal. The filtered RX signal is amplified by the RF AMP (Q39), and filtered by another 2-staged tuned BPF (D18, D29, D36 to D38) to obtain a good image response, and then applied to the 1st IF circuit.

The tuned BPFs are tuned to the RX frequency by applying adequate tuning voltages ("T1" and "T2") to the variable capacitors.

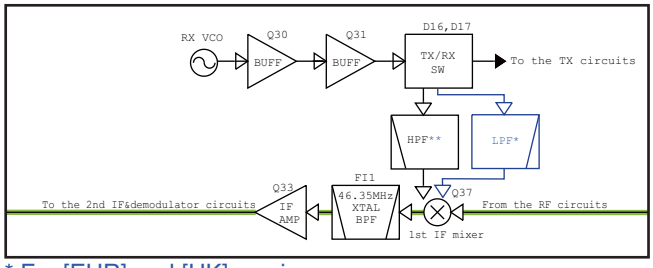
• RF CIRCUITS



1ST IF CIRCUIT

The RX signal from the RF circuits is applied to the 1st IF mixer (Q37) and mixed with the 1st LO signal from the RX VCO, resulting in the 46.35 MHz 1st IF signal. The 1st IF signal is filtered by the crystal filter (FI1), amplified by the 1st IF AMP (Q33), and then applied to the 2nd IF circuit.

• 1ST IF CIRCUITS



*:For [EUR] and [UK] versions.
**:For except [EUR] and [UK] versions.

2ND IF CIRCUIT AND DEMODULATOR

The signal from the 1st IF circuits is applied to the IF demodulator IC (IC16) which contains the 2nd IF mixer, 2nd IF AMP, FM detector, and so on.

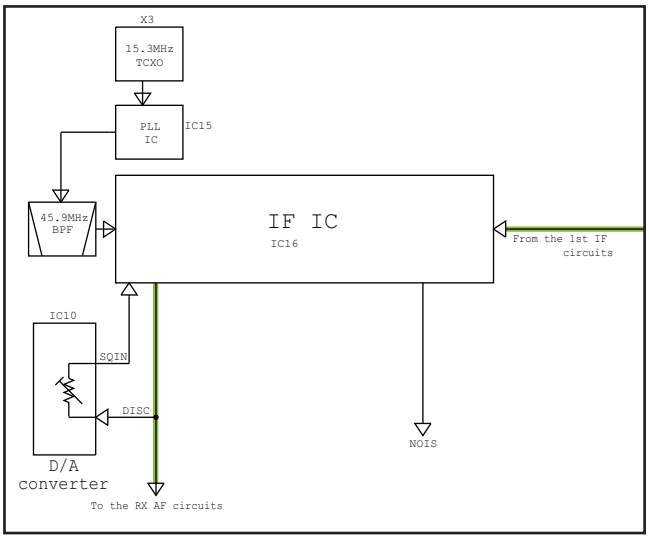
The 1st IF signal is applied to the 2nd IF mixer and mixed with the 2nd LO signal resulting in the 450 kHz 2nd IF signal.

The 2nd LO signal is generated by tripling the 15.3 MHz reference frequency signal oscillated by the reference frequency oscillator (X3).

The converted 2nd IF signal is amplified by the 2nd IF AMP, and then demodulated by the detector circuit.

The demodulated AF signal is applied to the RX AF circuit.

• 2ND IF CIRCUITS



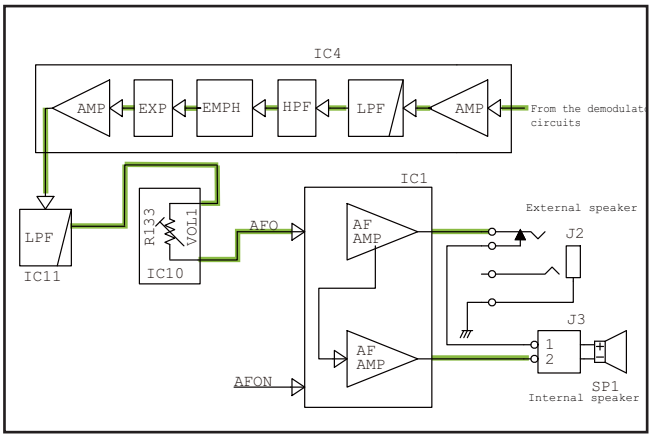
RX AF CIRCUITS

The demodulated AF signal from the IF demodulator IC (IC16, pin 14) is applied to the baseband IC (IC4).

The processed AF signal is passed through the LPF (IC11), which attenuates frequencies 3 kHz and above, and adjusted in level by the D/A converter (IC10). The level-adjusted AF signal is then applied to the AF power AMP (IC1).

The amplified AF signal is applied to the internal or external speaker.

• RX AF CIRCUITS



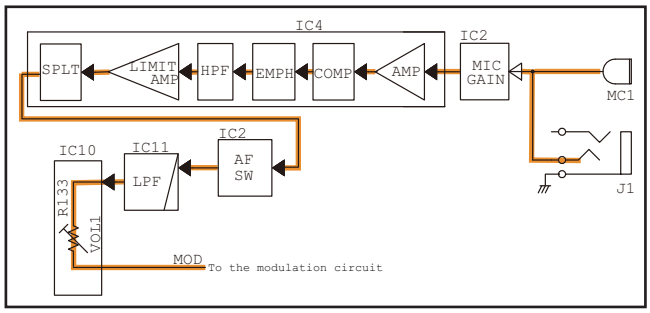
4-2 TRANSMIT CIRCUITS

TX AF CIRCUIT

The audio signal from the internal or external microphone (MIC signal) is passed through the MIC gain SW (IC2) and applied to the baseband IC (IC4).

The processed AF signal is passed through the AF SW (IC2) and LPF (IC11), and then applied to the D/A converter (IC10), which adjusts its level (=deviation). The level-adjusted MIC signal is applied to the TX VCO as the modulation signal.

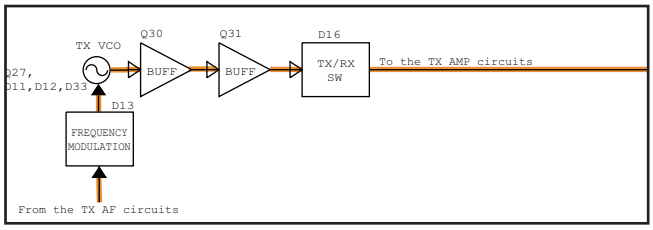
• TX AF CIRCUIT



MODULATION CIRCUIT

The modulation signal from the TX AF circuits is applied to D13 of the TX VCO (Q27, D11 to D13 and D33). The frequency-modulated signal from is amplified by two buffers (Q30 and Q31), and then applied to the TX AMP circuit, through the TX/RX SW (D16).

• MODULATION CIRCUIT



TX AMP CIRCUIT

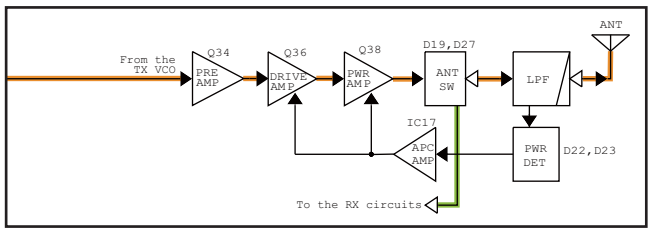
The buffer amplified signal from the TX/RX SW (D16) is sequentially amplified by the pre-AMP (Q34), drive AMP (Q36) and power AMP (Q38). The power amplified TX signal is passed through the antenna SW (D19) and LPF (L29 to L31, C333, C347 to C350, C352 and C403), and then applied to the antenna.

APC CIRCUITS

At the TX output power detector, the RF signal at the LPF (L26, C303, C330, C353 and C355) is rectified by the diodes (D22 and D23), and it is used as the TX power sensing voltage.

The voltage is applied to the APC AMP (IC17), and the output voltage controls the bias voltages of the drive AMP (Q36) and power AMP (Q38) to keep the TX output power constant.

• TX AMPLIFIERS AND APC CIRCUIT



4-3 FREQUENCY SYNTHESIZER CIRCUITS

The RX VCO is composed of Q25, D9, D10 and D32. The output signal is amplified by two buffers (Q31 and Q31) and applied to the 1st IF mixer (Q37), through the LO SW (D17) and LO filter (LPF*: L41, C296 and C441, or HPF**: L21, L42 and C293).

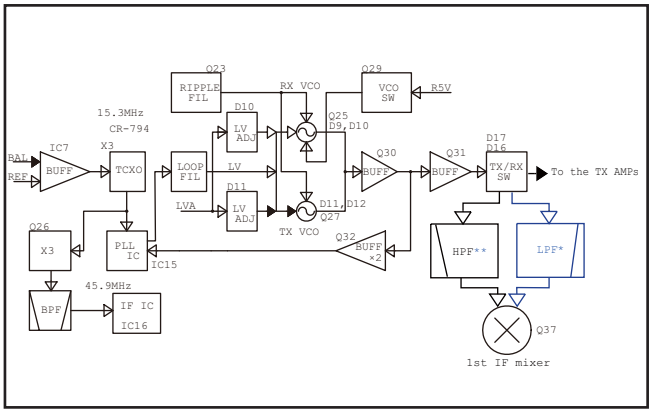
The TX VCO is composed of Q27, D11 to D13 and D33. The output signal is amplified by two buffers (Q30 and Q31) and applied to the pre-AMP (Q34), through the LO SW (D16).

A portion of oscillated VCO output signal from each VCO is fed back to the PLL IC (IC15), through the buffer (Q32) and LPF (L11, C210 and C231).

The applied VCO output signal is divided and phase-compared with a 15.3 MHz reference frequency signal from the TCXO (X3), which is also divided. The resulting signal is output from the PLL IC (IC15), and DC-converted by the loop filter, and then applied to the VCO as the lock voltage.

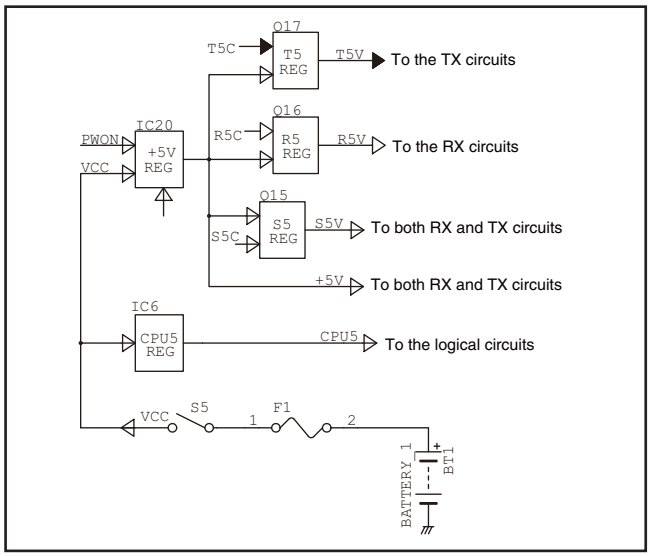
When the oscillation frequency drifts, its phase changes from that of the reference frequency, causing a lock voltage change to compensate for the drift in the VCO oscillating frequency.

• FREQUENCY SYNTHESIZER CIRCUITS



*:For [EUR] and [UK] versions.
**:For except [EUR] and [UK] versions.

4-4 VOLTAGE BLOCK DIAGRAM



4-5 PORT ALLOCATIONS

• CPU (IC9)

PIN NO.	LINE NAME	DESCRIPTION	I/O
1	BEEP	Beep audio (Square waves) to the AF AMP (IC1).	O
2	SENC	2/5 tone and DTMF encoding output.	O
17	RMUT	RX AF mute switch control. L=During the squelch is closed.	O
18	TMUT	Transmission mute. L=TX inhibit.	O
19	MMUT	MIC mute switch control. L=MIC mute.	O
20, 21	MGC1*, MGC0*	MIC gain control.	O
22	CL0	Cloning data.	O
23	CLI		I
24	CSFT	CPU clock frequency shift control. H=While the clock frequency is shifted.	O
25	AUTX	Automatic TX control in the VOX mode. H=Microphone input is detected.	O
26	NWC	RX mode (narrow/wide) switching. L=While receiving in the narrow mode.	O
27	AFON	AF power AMP control. H=AF power AMP (IC55) is activated.	O
28	SCK	Common serial clock.	O
29	S0	Common serial data.	O
34	ESCL	EEPROM clock.	O
35	ESDA	EEPROM data.	I/O
36	DAST	D/A converter strobe. H=Load enable.	O
37	PLST	PLL IC strobe. H=Load enable.	O
38	R5C	Receive circuit power supply line "R5" control. H=While the receive circuit is activated.	O
39	T5C	Transmit circuit power supply line “T5V” control. L=While transmitting.	O
40	S5C	TX/RX common circuit power supply line "S5V" control. L=While in the power save mode.	O
46	TLED	TX LED indicator control. L=While transmitting.	O
47	RLED	RX LED Indicator control. L=While receiving a signal or the squelch is open.	O
48	LIGT	LCD backlight control. H=Lights.	O
56, 57	CENC2, CENC1	CTCSS/DTCS encoding output.	O
58	DUSE	AF LPF switching. H=While sending the DTCS signal.	O
59–62	CBI0–CBI3	**[ROTARY SELECTOR]** input.	O
70	NOIS	Noise level detect. H=While receiving a signal.	I
71	UNLK	PLL unlock detect. L=Unlocked.	I
72	KR0	**[P0]**, **[1]**, **[2]** and **[3]** input. L=Pushed.	I
73	KR1	**[P1]**, **[4]**, **[5]** and **[6]** input. L=Pushed.	I
74	KR2	**[P2]**, **[7]**, **[8]** and **[9]** input. L=Pushed.	I
81	KR3	**[P3]**, **[*]**, **[0]** and **[#]** input. L=Pushed.	I
82	KS0	**[P0]**, **[P1]**, **[P2]** and **[P3]** input. L=Pushed.	I
83	KS1	**[1]**, **[4]**, **[7]** and **[*]** input. L=Pushed.	I
84	KS2	**[2]**, **[5]**, **[8]** and **[0]** input. L=Pushed.	I
85	KS3	**[3]**, **[6]**, **[9]** and **[#]** input. L=Pushed.	I
86	SDEC	Decoded 2/5 tone and DTMF signals.	I
87	CDEC	Tone signal (CTCSS/DTCS) decoding input.	I
88	EPTT	External PTT input. H= An external PTT is pushed.	I
89	IPTT	**[PTT]** input. L= Pushed.	I
90	TEMP	Transceiver temperature sensing voltage.	I
91	BATV	Battery voltage.	I
92	KRA	**[S1]**, **[S2]** and **[EMER]** input. L= Pushed.	I
93	SDEC2	Decoded 2/5 tone and DTMF signals.	I
95	AFVI	**[VOLUME CONTROL]** input.	I
96	RSSI	Input port for RSSI signal from the IF IC (IC16, pin16).	I
97	LVIN	Lock voltage input.	I
98	MDET	External microphone connection detect.	I
99	VOXV	Microphone input sensing voltage.	I

*: MIC sensitivity setting.

Line name	MGC0	MGC1	MIC sensitivity
Line state	H	H	4 (Maximum)
	L	H	3
	H	L	2
	L	L	1 (Minimum)

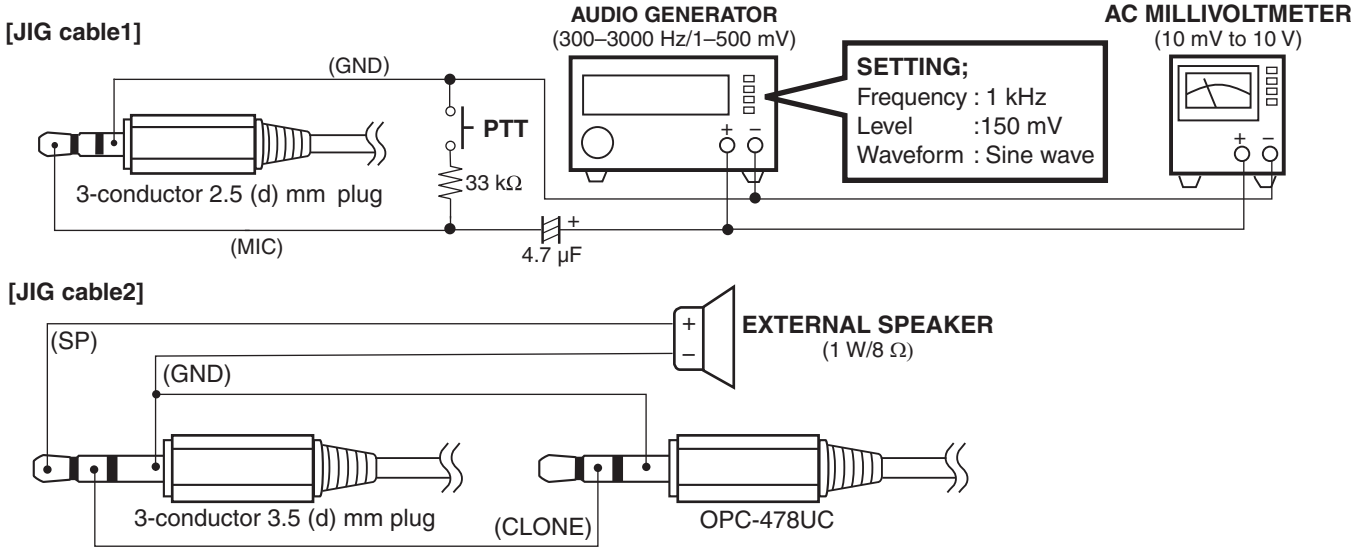
SECTION 5 ADJUSTMENT PROCEDURE

5-1 PREPARATION

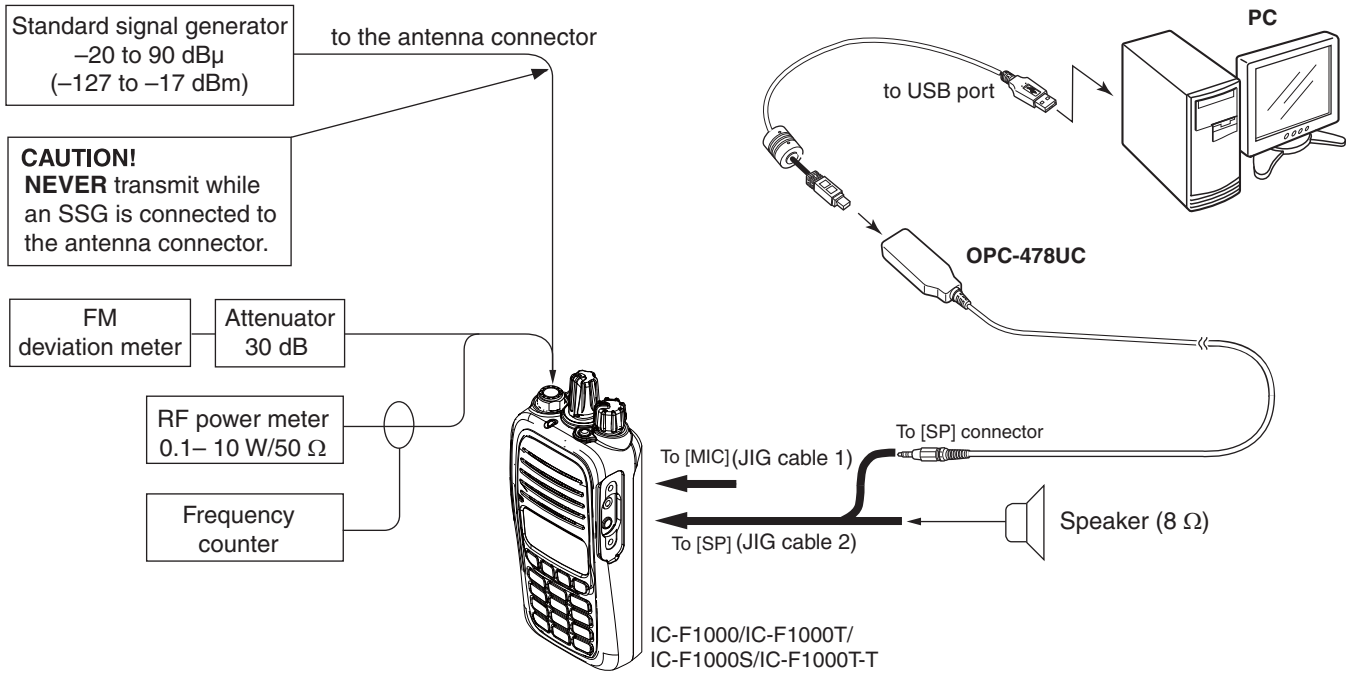
■ REQUIRED EQUIPMENTS

EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
Cloning software	CS-F2000 CLONING SOFTWARE (Revision 1.0 or later)	JIG cable	Modified OPC-478UC (See the illust below)
RF power meter (50 Ω terminated)	Measuring range : 0.1–10 W Frequency range : 100–300 MHz SWR : Less than 1.2 : 1	Frequency counter	Frequency range : 0.1–300 MHz Frequency accuracy : ±1 ppm or better Input level : Less than 1 mW
Modulation Analyzer	Frequency range : 30–300 MHz Measuring range : 0 to ±10 kHz	Standard signal generator (SSG)	Frequency range : 0.1–300 MHz Output level : –20 to 90 dBμ (–127 to –17 dBm)
AC millivoltmeter	Measuring range : 10 mV to 10 V		
Oscilloscope	Frequency range : DC–20 MHz Measuring range : 0.01–20 V	Attenuator	Power attenuation : 30 dB Capacity : More than 10 W
Audio generator (AG)	Frequency range : 300–3000 Hz Output level : 1–500 mV	External speaker	Input impedance : 8 Ω Capacity : More than 1 W

■ JIG CABLE



■ CONNECTION

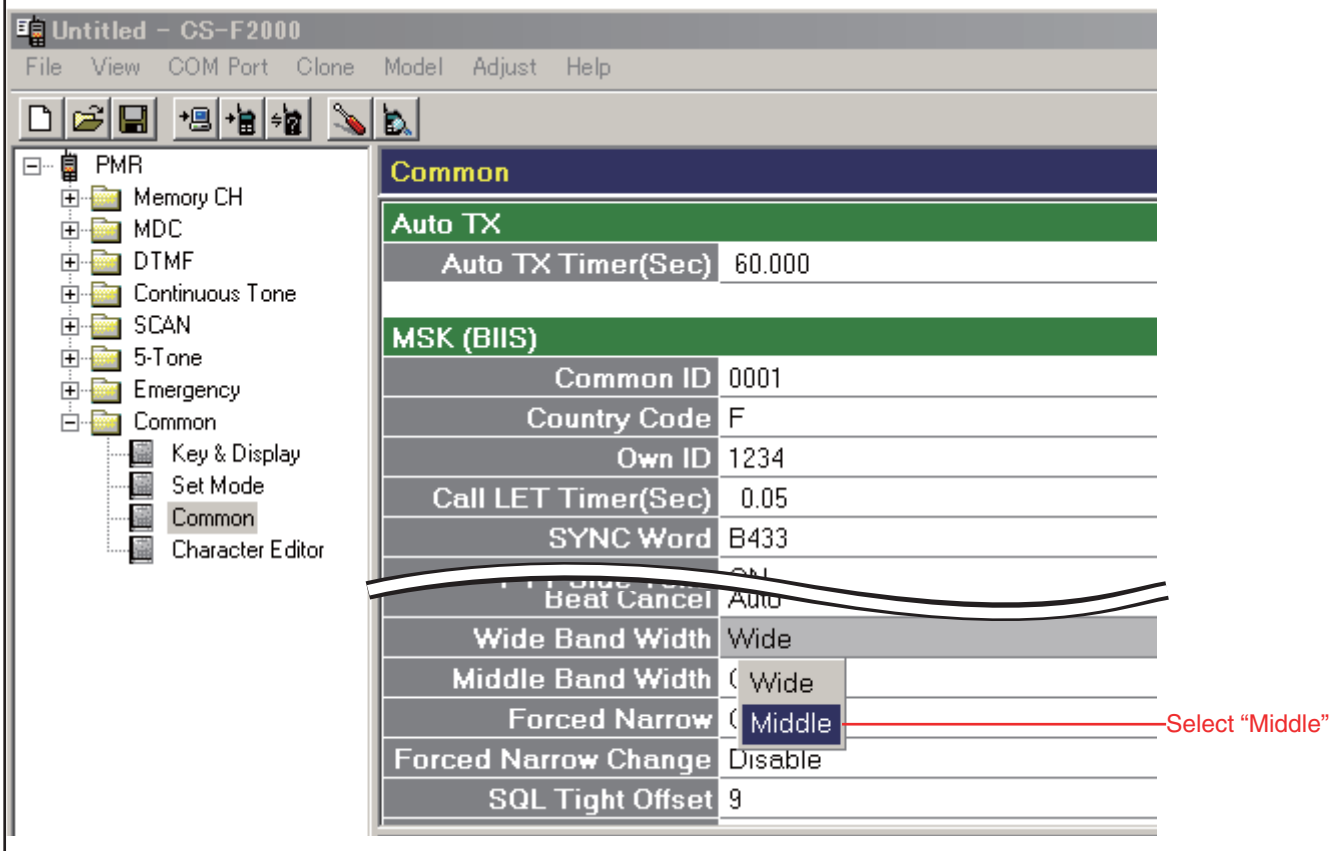


■ ADJUSTMENT CHANNELS

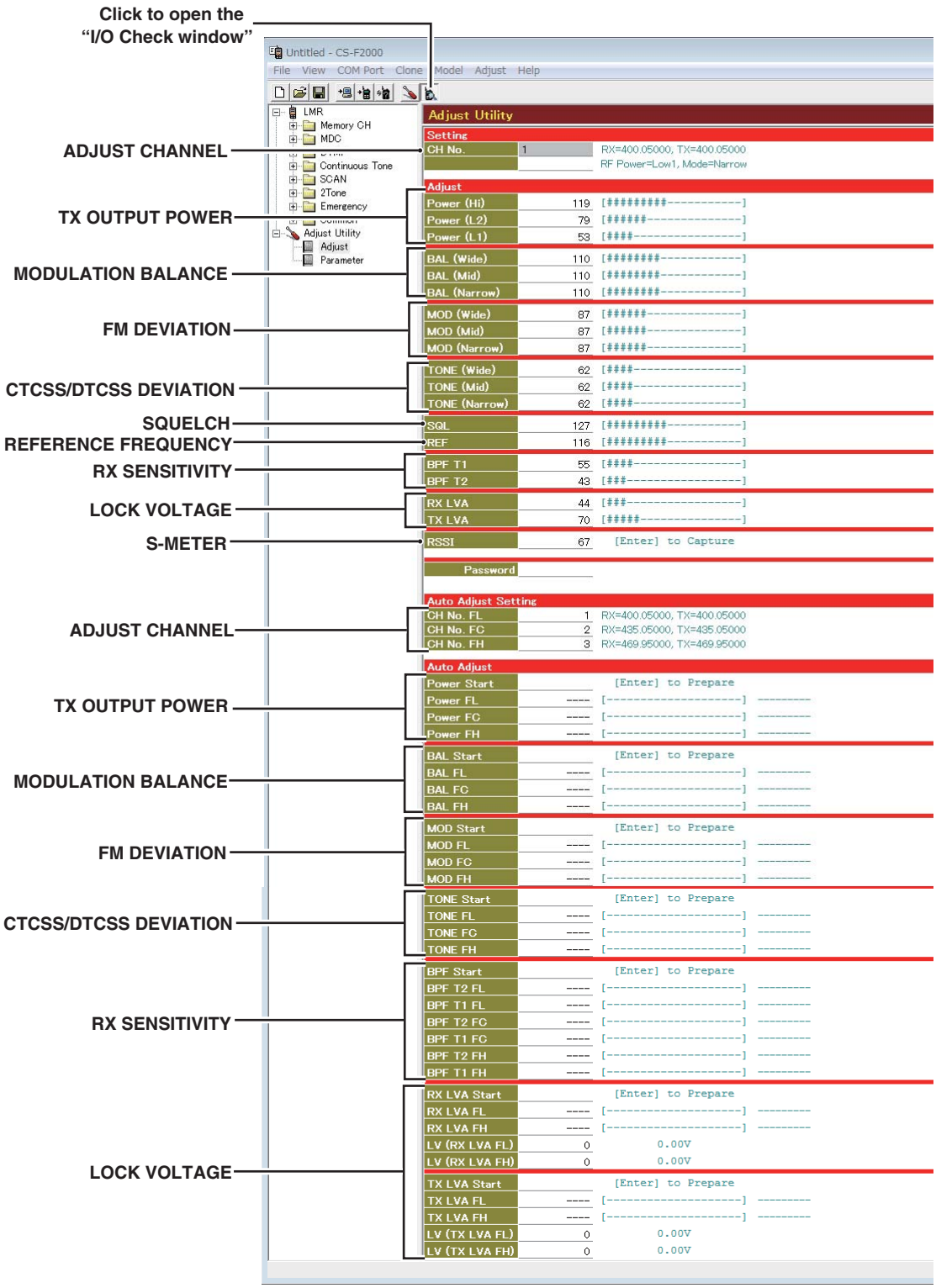
			Frequency (MHz)					C.Tone								Scan List		
CH	Atr	Inh	RX	TX	TX Inh	W/N	SQL Tight	RX	TX	Text	Com-pander	TOT	RF PWR	PWR Save	Lock-out	Scan List	Inc	Assign
1- 1	AB		136.000000	<-		N				LV FL			L1	ON		1	Inc	----
1- 2			176.000000	<-		N				LV FH			L1	ON		1	Inc	----
1- 3			136.000000	<-		N				LVIN FL			L1	ON		1	Inc	----
1- 4			176.000000	<-		N				LVIN FH			L1	ON		1	Inc	----
1- 5			176.000000	<-		N				REF			L1	ON		1	Inc	----
1- 6			136.000000	<-		N				PoWEr FL			H	ON		1	Inc	----
1- 7			155.000000	<-		N				PoWEr FC			H	ON		1	Inc	----
1- 8			176.000000	<-		N				PoWEr FH			H	ON		1	Inc	----
1- 9			136.000000	<-		N				PoWEr L2			L2	ON		1	Inc	----
1- 10			136.000000	<-		N				PoWEr L1			L1	ON		1	Inc	----
1- 11			136.000000	<-		N				MOD FL			L1	ON		1	Inc	----
1- 12			155.000000	<-		N				MOD FC			L1	ON		1	Inc	----
1- 13			176.000000	<-		N				MOD FH			L1	ON		1	Inc	----
1- 14			136.000000	<-		W				MOD W			L1	ON		1	Inc	----
1- 15			136.000000	<-		N				BAL FL			L1	ON		1	Inc	----
1- 16			155.000000	<-		N				BAL FC			L1	ON		1	Inc	----
1- 17			176.000000	<-		N				BAL FH			L1	ON		1	Inc	----
1- 18			136.000000	<-		N		151.4		TonE FL			L1	ON		1	Inc	----
1- 19			155.000000	<-		N		151.4		TonE FC			L1	ON		1	Inc	----
1- 20			176.000000	<-		N		151.4		TonE FH			L1	ON		1	Inc	----
1- 21			136.000000	<-		W		151.4		TonE W			L1	ON		1	Inc	----
1- 22			136.000000	<-		N				BPF T2FL			L1	ON		1	Inc	----
1- 23			136.000000	<-		N				BPF T1FL			L1	ON		1	Inc	----
1- 24			155.000000	<-		N				BPF T2FC			L1	ON		1	Inc	----
1- 25			155.000000	<-		N				BPF T2FC			L1	ON		1	Inc	----
1- 26			176.000000	<-		N				BPF T2FH			L1	ON		1	Inc	----
1- 27			176.000000	<-		N				BPF T1FH			L1	ON		1	Inc	----
1- 28			155.000000	<-		N				RSSI S3			L1	ON		1	Inc	----
1- 29			155.000000	<-		N				RSSI S1			L1	ON		1	Inc	----
1- 30			136.000000	<-		N				SQL			L1	ON		1	Inc	----

CONVENIENT: The same cloning file is available.
Right-click below, and select "Save Embeded File to Disk."

For [EUR] versions:
When adjusting “FM DEVIATION” in the middle band, change the bandwidth to “Middle” as shown below.

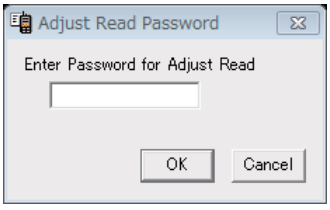


■ ADJUSTMENT UTILITY



NOTE: The above values for settings are example only.
Each transceiver has its own specific values for each setting.

If the below window appears, the utility is password-protected.
Enter the password to open the "Adjust Utility" window.

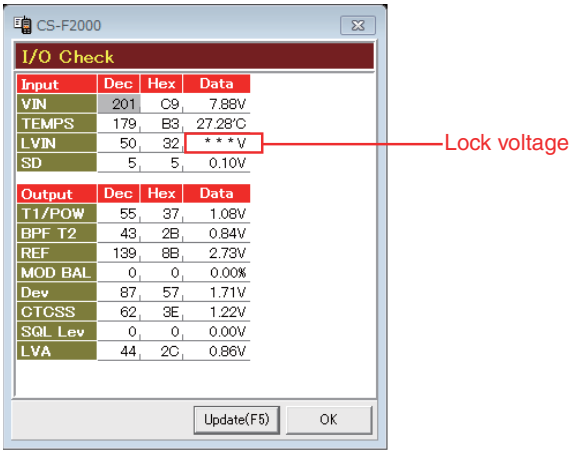


5-2 FREQUENCY ADJUSTMENTS

1) Select an adjustment item using [↑]/[↓] on the PC's keyboard.
2) Set or modify the adjustment value as specified using [←]/[→] on the PC's keyboard, and then push [ENTER].

ADJUSTMENT		TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
PLL LOCK VOLTAGE -Preparation-	1	–	1) Connect an RF power meter to the antenna connector. 2) Set the preset adjustment value on the adjustment utility window.	**LV (RX LVA FL)**	46 (0.9 V)
				LV (TX LVA FL)	
				LV (RX LVA FH)	255 (5.0 V)
				LV (TX LVA FH)	
-ADJUSTMENT- (RX Band low)	2	• Select the item **[RX LVA Start]**, then push [ENTER] to enter the lock voltage adjustment mode.		**[RX LVA Start]**	–
	3	• Channel: 1-1 • Receiving	• Select the item **[RX LVA FL]**, then push [ENTER].	**[RX LVA FL]**	0.9 V
	4	• Select the item **[RX LVA Start]**, then push [ENTER].		**[RX LVA Start]**	–
(RX Band high)	5	• Channel: 1-2 • Receiving	• Set the item adjustment value in the **[RX LVA FH]** on the adjustment utility window, then push [ENTER].	**[RX LVA FH]**	255 (5.0 V)
	6	• Select the item **[RX LVA Start]**, then push [ENTER] to quit the lock voltage adjustment mode.		**[RX LVA Start]**	–
-ADJUSTMENT- (TX Band low)	7	• Select the item **[TX LVA Start]**, then push [ENTER] to enter the lock voltage adjustment mode.		**[TX LVA Start]**	–
	8	• Channel: 1-1 • Receiving	• Select the item **[TX LVA FL]**, then push [ENTER].	**[TX LVA FL]**	0.9 V
	9	• Select the item **[TX LVA Start]**, then push [ENTER] to quit the lock voltage adjustment mode.		**[TX LVA Start]**	–
(TX Band high)	10	• Channel: 1-2 • Receiving	• Set the item adjustment value in the **[TX LVA FH]** on the adjustment utility window, then push [ENTER].	**[TX LVA FH]**	255 (5.0 V)
	11	• Select the item **[TX LVA Start]**, then push [ENTER] to quit the lock voltage adjustment mode.		**[TX LVA Start]**	–
PLL LOCK VOLTAGE -Verify- (RX Band low)	1	• Channel: 1-3 • Receiving	• Click the [Reload (F5)] button to check on the "I/O Check window" as below.	**[LVIN]** (On the "I/O Check window")	0.9 V ±0.2 V (Verify)
(RX Band high)	2	• Channel: 1-4 • Receiving			Less than 3.5 V (Verify)
(TX Band low)	3	• Channel: 1-3 • Transmitting			0.9 V ±0.2 V (Verify)
(TX Band high)	4	• Channel: 1-4 • Transmitting			Less than 3.5 V (Verify)
REFERENCE FREQUENCY	1	• Channel: 1-5 • Transmitting	• Loosely couple a frequency counter to the antenna connector.	**[REF]**	174.000000 MHz (±150 Hz)

• I/O Check window



(The values shown above are only examples.
Each transceiver has own values.)

5-3 TRANSMIT ADJUSTMENTS

1) Select an adjustment item using [↑]/[↓] on the PC's keyboard.
2) Set or modify the adjustment value as specified using [←]/[→]on the PC's keyboard, and then push [ENTER].

ADJUSTMENT		TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
TX OUTPUT POWER	1	1) Connect an RF power meter to the antenna connector. 2) Select **[Power Start]**, then push [ENTER] to enter the TX output power adjustment mode.		**[Power Start]**	–
(High power, Band low)	2	• Channel: 1-6 • Transmitting	1) Adjust the TX output power. 2) Select the item **[Power Start]**, then push [ENTER] to store the adjustment value.	**[Power (FL)]**	5.0 W
(High power, Band center)	3	• Channel: 1-7 • Transmitting		**[Power (FC)]**	
(High power, Band high)	4	• Channel: 1-8 • Transmitting		**[Power (FH)]**	
	5	• Select **[Power Start]**, then push [ENTER] to quit the TX output power adjustment mode.		**[Power Start]**	–
(L2 power, Band low)	4	• Channel: 1-9 • Transmitting	• Adjust the TX output power.	**[Power (L2)]**	2.0 W
(L1 power, Band low)	5	• Channel: 1-10 • Transmitting		**[Power (L1)]**	1.0 W
FM DEVIATION -Narrow- (Band low)	1	• Set [MIC gain] to "2" in the Set mode.		**[Mic Gain]**	2
	2	• Connect a modulation analyzer with an oscilloscope to the antenna connector through an attenuator, and set it as: HPF: OFF LPF: 15 kHz or 20 kHz De-emphasis: OFF Detector: (P–P)/2 • Connect an audio generator to the [MIC] jack through the JIG cable, and set it as: Frequency: 1 kHz Waveform: Sine wave Level: 150 mVrms		–	–
	3	• Select **[MOD Start]**, then push [ENTER] to enter the TX output power adjustment mode.		**[MOD Start]**	–
	4	• Channel: 1-11 • Transmitting	1) Adjust the deviation. 2) Select **[MOD Start]**, then push [ENTER] to store the adjustment value.	**[MOD FL]**	±2.10 ±0.05 kHz
(Band center)	5	• Channel: 1-12 • Transmitting		**[MOD FC]**	
(Band high)	6	• Channel: 1-13 • Transmitting		**[MOD FH]**	
	7	• Select **[MOD Start]**, then push [ENTER] to quit the "FM DEVIATION -Narrow-" adjustment mode.		**[MOD Start]**	–
FM DEVIATION -Wide-*	1	• Channel: 1-14 • Transmitting	• Connect a modulation analyzer to the antenna connector through an attenuator, and set it as "FM DEVIATION." • Connect an audio generator to the [MIC] jack through the JIG cable, and set it as "FM DEVIATION -Narrow-."	**[MOD W]**	±4.10 ±0.05 kHz
FM DEVIATION -Middle-**	2	• Channel: 1-14 • Transmitting		**[MOD M]**	±3.30 ±0.05 kHz

*: Except for [USA] versions. **: Only for [EUR] versions.

5-3 TRANSMIT ADJUSTMENTS (continued)

1) Select an adjustment item using [↑]/[↓] on the PC's keyboard.
2) Set or modify the adjustment value as specified using [←]/[→] on the PC's keyboard, and then push [ENTER].

ADJUSTMENT		TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
MODULATION BALANCE	1	• Connect a modulation analyzer to the antenna connector through an attenuator, and set it as "FM DEVIATION."		–	–
	2	• Set BAL "**BAL FL**," "**BAL FC**" and "**BAL FH**" to "90."		**[BAL FL]** **[BAL FC]** **[BAL FH]**	90
	3	• Set "MOD -Narrow-" to "255."		**[MOD -Narrow-]**	255
	4	• Select **[BAL Start]** to enter the "MODULATION BALANCE" adjustment mode.		**[BAL Start]**	–
(Band low)	5	• Channel: 1-15 • No MIC signal is applied. • Transmitting	1) Adjust the deviation. 2) Select **[BAL Start]**, then push [ENTER] to store the adjustment value.	**[BAL FL]**	±0.99 ±0.03 kHz
(Band center)	6	• Channel: 1-16 • Transmitting		**[BALFC]**	±0.97 ±0.03 kHz
(Band high)	7	• Channel: 1-17 • Transmitting		**[BAL FH]**	±1.00 ±0.03 kHz
	8	• Select **[BAL Start]** to quit the "MODULATION BALANCE" adjustment mode.		**[BAL Start]**	–
CTCSS/DTCS DEVIATION -Narrow-	1	• Connect a modulation analyzer to the antenna connector through an attenuator, and set it as "FM DEVIATION."		–	–
	2	• Select **[Tone Start]** to enter the "CTCSS/DTCS DEVIATION" adjustment mode.		**[Tone Start]**	–
(Band low)	3	• Channel: 1-18 • No MIC signal is applied. • Transmitting	1) Adjust the deviation. 2) Select **[Tone Start]**, then push [ENTER] to store the adjustment value.	**[Tone FL]**	±0.35 ±0.05 kHz
(Band center)	4	• Channel: 1-19 • Transmitting		**[Tone FC]**	
(Band high)	5	• Channel: 1-20 • Transmitting		**[Tone FH]**	
	6	• Select **[Tone Start]** to quit the "CTCSS/DTCS DEVIATION" adjustment mode.		**[Tone Start]**	–
CTCSS/DTCS DEVIATION -Wide-*	1	• Channel: 1-21 • Transmitting	• Connect a modulation analyzer to the antenna connector through an attenuator, and set it as "FM DEVIATION."	**[Tone W]**	±0.70 ±0.05 kHz
CTCSS/DTCS DEVIATION -Middle-**	1	• Channel: 1-21 • Transmitting		**[Tone M]**	±0.55 ±0.05 kHz

*: Except for [USA] versions. **: Only for [EUR] versions.

5-4 RECEIVE ADJUSTMENTS

1) Select an adjustment item using [↑]/[↓] on the PC's keyboard.
2) Set or modify the adjustment value as specified using [←]/[→] on the PC's keyboard, and then push [ENTER].

ADJUSTMENT		TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
RECEIVE SENSITIVITY	NOTE: • "RECEIVE SENSITIVITY" must be adjusted before "S-METER." Otherwise, "S-METER" will not be adjusted properly. When "RECEIVE SENSITIVITY" is re-adjusted, "S-METER" must be also re-adjusted. • Before the adjustment, turn OFF the Power save function.				
	1	• Set [SQL Level] to "2" in the Set mode.		**[SQL Level]**	2
	2	• Connect an SSG to the antenna connector and set it as: Level†: +30 dBμ (–77 dBm) Modulation: 1 kHz Deviation: ±3.0 kHz* ±1.5 kHz**			
	3	• Select **[BPF Start]**, then push [ENTER] to enter the "RECEIVE SENSITIVITY" adjustment mode.		**[BPF Start]**	–
(T2 Band low)	4	• Channel: 1-22 • Receiving	1) Set the SSG as: Frequency: 136 MHz 2) Select the item **[BPF T2 FL]**, then push [ENTER] to start the automatic adjustment. 3) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T2 FL]**	Push [ENTER] (Automatic adjustment)
(T1 Band low)	5	• Channel: 1-23 • Receiving	1) Select the item **[BPF T1 FL]**, then push [ENTER] to start the automatic adjustment. 2) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T1 FL]**	
(T2 Band center)	6	• Channel: 1-24 • Receiving	1) Set the SSG as: Frequency: 155 MHz 2) Select the item **[BPF T2 FC]**, then push [ENTER] to start the automatic adjustment. 3) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T2 FC]**	
(T1 Band center)	7	• Channel: 1-25 • Receiving	1) Select the item **[BPF T1 FC]**, then push [ENTER] to start the automatic adjustment. 2) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T1 FC]**	
(T2 Band high)	8	• Channel: 1-26 • Receiving	1) Set the SSG as: Frequency: 176 MHz 2) Select the item **[BPF T2 FH]**, then push [ENTER] to start the automatic adjustment. 3) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T2 FH]**	
(T1 Band high)	9	• Channel: 1-27 • Receiving	1) Select the item **[BPF T1 FH]**, then push [ENTER] to start the automatic adjustment. 2) Select the item **[BPF Start]**, then push [ENTER] to store the adjustment value.	**[BPF T1 FH]**	
	10	• Select **[BPF Start]**, then push [ENTER] to quit the "RECEIVE SENSITIVITY" adjustment mode.			–

†: The output level of the standard signal generator (SSG) is indicated as the 50 Ω terminated.
*: Except for [USA] versions. **: For [USA] versions.

5-4 RECEIVE ADJUSTMENTS (continued)

1) Select an adjustment item using [↑]/[↓] on the PC's keyboard.
2) Set or modify the adjustment value as specified using [←]/[→] on the PC's keyboard, and then push [ENTER].

ADJUSTMENT		TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
S-METER	**NOTE:** When "RECEIVE SENSITIVITY" is re-adjusted, "S-METER" must be also re-adjusted.				
	1	• Connect an SSG to the antenna connector and set it as: Frequency: 155 MHz Modulation: 1 kHz Deviation: ±1.5 kHz		–	–
	2	• Select **[RSSI]** to enter the "RSSI" adjustment mode.		**[RSSI]**	–
(S3 Level)	3	• Channel: 1-28 • Receiving	• Set the SSG as: Level†: +23 dBµ (–84 dBm)	**[RSSI]**	Push [ENTER] (Automatic adjustment)
(S1 Level)	4	• Channel: 1-29 • Receiving	• Set the SSG as: Level†: –7 dBµ (–114 dBm)		
	5	• Select **[RSSI]** to quit the "RSSI" adjustment mode.		**[RSSI]**	–
SQUELCH	**NOTE:** When "RECEIVE SENSITIVITY" is re-adjusted, "SQUELCH" must be also re-adjusted.				
	1	• Channel: 1-30 • Receiving	1) Connect an SSG to the antenna connector and set it as: Frequency: 136 MHz Level†: –14 dBµ (–121 dBm) Modulation: 1 kHz Deviation: ±3.0 kHz 2) Once close the squelch by increasing the **[SQL]** value, and then decrease the value to open the squelch.	**[SQL]**	Squelch opens (Push **[ENTER]** to store the value)

†: The output level of the standard signal generator (SSG) is indicated as the 50 Ω terminated.

SECTION 6 PARTS LIST

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
IC1	1110008450	S.IC ISD8102SYI T&R <MSK>		T	94.1/14.7
IC2	1130015760	S.IC TC74VHC4066AFK(EK)		T	78.1/31.6
IC3	1110008550	S.IC NJM2904CRB1-TE1-#HMZR		T	84.2/23.8
IC4	1110007810	S.IC AK2346AP-L		T	69.8/22.3
IC5	1110008550	S.IC NJM2904CRB1-TE1-#HMZR		B	40.5/14.2
IC6	1180004430	S.REG XC6209F502MR-G		B	33.2/11.4
IC7	1110008550	S.IC NJM2904CRB1-TE1-#HMZR		B	50.7/29.0
IC8	1110007620	S.IC NJU7704F3-42A-TE1-#ZZZB		B	9.0/10.2
IC9	1140016890	S.IC R4F20335RDFE		B	19.1/14.2
IC10	1110007290	S.IC AK2330P-L		B	57.1/21.9
IC11	1110008550	S.IC NJM2904CRB1-TE1-#HMZR		B	57.5/28.5
IC13	1130016620	S.IC GT24C128A-2ZLI-TR <MSK>		B	8.6/28.1
IC14	1130009581	S.IC TC7W66FU(TE12LF)		B	25.6/33.7
IC15	1130017460	S.IC AK1542A-L		B	19.5/35.9
IC16	1110008392	S.IC SC-1451A (AK2365AM-L)		B	55.3/10.4
IC17	1110002751	S.IC TA75S01F(TE85RF)		T	85.6/35.0
IC19	1180004430	S.REG XC6209F502MR-G		T	100.0/23.3
IC20	1180004430	S.REG XC6209F502MR-G		B	97.2/15.1
IC21	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#05]	T	54.3/20.2
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#06]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#07]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#08]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#09]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#10]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#11]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#12]		
	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	[#13]		
IC22	1190003700	S.IC KXCJ9-1008		B	8.0/34.6
IC23	1130014200	S.IC TC7WPB307FK(TE85LF)		B	12.3/34.2
IC24	1180004140	S.REG XC6221A302MR-G		B	12.5/30.1
Q1	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	65.6/41.3
Q2	1590004070	S.TRA LDTC144EET1G <SLVJ>		T	78.8/35.8
Q3	1590004220	S.TRA DRA9123Y0L		T	85.1/28.5
Q4	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	93.4/14.0
Q5	1590004390	S.TRA DMG504010R		B	37.0/7.6
Q9	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>		T	89.5/7.9
Q10	1590004590	S.TRA DMC506010R		B	89.3/8.4
Q14	1560000841	S.FET 2SK1829(TE85RF)	[#02]	B	89.1/17.3
	1560000841	S.FET 2SK1829(TE85RF)	[#03]		
	1560000841	S.FET 2SK1829(TE85RF)	[#06]		
	1560000841	S.FET 2SK1829(TE85RF)	[#07]		
	1560000841	S.FET 2SK1829(TE85RF)	[#10]		
	1560000841	S.FET 2SK1829(TE85RF)	[#11]		
Q15	1590003490	S.TRA DTA113ZE TL		T	90.0/25.0
Q16	1590004310	S.TRA LDTA114EET1G <SLVJ>		T	97.5/27.4
Q17	1590003490	S.TRA DTA113ZE TL		B	100.3/28.0
Q19	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	51.6/34.1
Q20	1590004340	S.TRA DRC9144T0L		B	6.7/21.0
Q21	1590004050	S.TRA LDTA144EET1G <SLVJ>		T	103.0/22.9
Q22	1590004050	S.TRA LDTA144EET1G <SLVJ>		T	102.6/25.7
Q23	1530002851	S.TRA 2SC4116-BL(TE85RF)		B	40.3/18.4
Q24	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	39.6/39.6
Q25	1530002921	S.TRA 2SC4226-T1 Y25 (R25)		B	42.5/27.9
Q27	1530002921	S.TRA 2SC4226-T1 Y25 (R25)		B	42.5/35.3
Q28	1590004090	S.TRA LDTC114YET1G <SLVJ>		B	32.8/39.6
Q29	1590004090	S.TRA LDTC114YET1G <SLVJ>		B	35.2/39.7
Q30	1530003321	S.TRA 2SC5108-Y(TE85RF)		B	36.5/23.0
Q31	1530003321	S.TRA 2SC5108-Y(TE85RF)		B	40.5/23.9
Q32	1530003321	S.TRA 2SC5108-Y(TE85RF)		B	32.1/22.9
Q33	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#01]	B	57.7/6.5
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#02]		
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#03]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#04]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#05]		
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#06]		
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#07]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#08]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#09]		
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#10]		
	1530002381	S.TRA 2SC4215-Y(TE85LF)	[#11]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#12]		
	1530003231	S.TRA 2SC5085-Y(TE85RF)	[#13]		
Q34	1530003321	S.TRA 2SC5108-Y(TE85RF)		B	54.5/36.7
Q36	1560001910	S.FET RD01MUS2B-T113		B	61.4/36.7
Q37	1580000731	S.FET 3SK293(TE85LF)		B	69.4/18.1
Q38	1560001701	S.FET RD07MUS2B-T214		B	71.2/34.9
Q39	1580000731	S.FET 3SK293(TE85LF)		B	84.5/15.8
Q40	1590004050	S.TRA LDTA144EET1G <SLVJ>		T	90.0/32.1
Q41	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#05]	B	23.5/24.8
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#06]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#07]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#08]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#09]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#10]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#11]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#12]		
	1590004060	S.TRA LDTC114EET1G <SLVJ>	[#13]		
Q42	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	90.4/13.0
Q44	1590004070	S.TRA LDTC144EET1G <SLVJ>		B	8.3/37.4
D1	1790001860	S.VAR EZJZ0V80010		T	74.6/22.7
D4	1750001810	S.DIO L1SS400T1G <SLVJ>		T	95.1/11.3
D5	1790001670	S.DIO RB706F-40T106		T	86.9/26.7
D6	1750001790	S.DIO 1SS390 TE61		B	8.0/18.7
D7	1750001820	S.DIO LRB706F-40T1G <SLVJ>		B	4.4/20.8

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
D9	1750001770	S.VAR 1SV323(TPH3F)		B	31.5/26.7
D10	1750002860	S.VAR BBY57-02V H6327 <RYOYO>		B	38.0/29.1
D11	1750002860	S.VAR BBY57-02V H6327 <RYOYO>		B	35.3/31.5
D12	1750001770	S.VAR 1SV323(TPH3F)		B	31.9/33.2
D13	1750001770	S.VAR 1SV323(TPH3F)		B	37.4/31.6
D16	1750002990	S.DIO BAR88-02V H6327 <RYOYO>		B	45.7/26.3
D17	1750002990	S.DIO BAR88-02V H6327 <RYOYO>		B	46.3/23.8
D18	1720000701	S.VAR 1SV305(TPL3F)		B	79.5/13.2
D19	1750002990	S.DIO BAR88-02V H6327 <RYOYO>		B	83.9/36.0
D20	1750001810	S.DIO L1SS400T1G <SLVJ>		T	89.9/34.3
D22	1790001790	S.DIO RB876W TL		B	80.2/29.1
D23	1790001790	S.DIO RB876W TL		B	82.4/29.1
D24	1750001810	S.DIO L1SS400T1G <SLVJ>	[#02]	B	90.1/19.8
	1750001810	S.DIO L1SS400T1G <SLVJ>	[#03]		
	1750001810	S.DIO L1SS400T1G <SLVJ>	[#06]		
	1750001810	S.DIO L1SS400T1G <SLVJ>	[#07]		
	1750001810	S.DIO L1SS400T1G <SLVJ>	[#10]		
	1750001810	S.DIO L1SS400T1G <SLVJ>	[#11]		
D25	1750002860	S.VAR BBY57-02V H6327 <RYOYO>		B	84.1/24.3
D27	1750002990	S.DIO BAR88-02V H6327 <RYOYO>		B	86.2/27.7
D28	1750002990	S.DIO BAR88-02V H6327 <RYOYO>		B	57.0/4.6
D29	1720000701	S.VAR 1SV305(TPL3F)		B	82.9/13.2
D31	1750002860	S.VAR BBY57-02V H6327 <RYOYO>		B	87.7/21.6
D32	1750001770	S.VAR 1SV323(TPH3F)		B	32.8/26.7
D33	1750001770	S.VAR 1SV323(TPH3F)		B	31.3/34.9
D34	1750001790	S.DIO 1SS390 TE61		T	64.5/14.5
D35	1790001860	S.VAR EZJZ0V80010		T	77.5/21.7
D36	1720000701	S.VAR 1SV305(TPL3F)	[#02]	B	80.7/13.2
	1720000701	S.VAR 1SV305(TPL3F)	[#03]		
	1720000701	S.VAR 1SV305(TPL3F)	[#06]		
	1720000701	S.VAR 1SV305(TPL3F)	[#07]		
	1720000701	S.VAR 1SV305(TPL3F)	[#10]		
	1720000701	S.VAR 1SV305(TPL3F)	[#11]		
D37	1720000701	S.VAR 1SV305(TPL3F)	[#02]	B	80.8/10.7
	1720000701	S.VAR 1SV305(TPL3F)	[#03]		
	1720000701	S.VAR 1SV305(TPL3F)	[#06]		
	1720000701	S.VAR 1SV305(TPL3F)	[#07]		
	1720000701	S.VAR 1SV305(TPL3F)	[#10]		
	1720000701	S.VAR 1SV305(TPL3F)	[#11]		
D38	1720000701	S.VAR 1SV305(TPL3F)	[#02]	B	79.6/10.7
	1720000701	S.VAR 1SV305(TPL3F)	[#03]		
	1720000701	S.VAR 1SV305(TPL3F)	[#06]		
	1720000701	S.VAR 1SV305(TPL3F)	[#07]		
	1720000701	S.VAR 1SV305(TPL3F)	[#10]		
	1720000701	S.VAR 1SV305(TPL3F)	[#11]		
FI1	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#01]	B	64.8/10.6
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#02]		
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#03]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#04]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#05]		
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#06]		
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#07]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#08]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#09]		
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#10]		
	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	[#11]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#12]		
	2030000870	S.MON MFT46.3P3 46.350 MHz (FL-442)	[#13]		
X1	6050013800	S.XTA CR-980 14.7456 MHz<SKD>		T	64.7/19.3
X2	6050013790	S.XTA CR-981 19.6608 MHz<SKD>		B	6.3/12.9
X3	6050013760	S.XTA CR-978 TTS18VSH 15.3 MHz		B	47.2/17.2
L2	6200003640	S.COI MLF1608E 100K-T		B	34.7/28.6
L3	6190002030	S.COI MLG1608S 1R0J-T		B	36.8/28.6
L5	6200007170	S.COI MLF1608A 3R3K-T		B	30.2/26.7
L6	6200008090	S.COI LQW2BHN68NJ03L		B	36.5/26.5
L7	6200007760	S.COI LQW2BHN82NJ03L		B	35.1/34.8
L9	6200012170	S.COI MLG1608S R18J-T		B	52.8/18.0
L10	6200012170	S.COI MLG1608S R18J-T		B	51.8/13.8
L11	6200007881	S.COI ELJRF 33NJFB		B	26.8/25.8
L13	6200011031	S.COI ELJRF R10JFB	[#01]	B	38.6/23.7
	6200011031	S.COI ELJRF R10JFB	[#04]		
	6200011031	S.COI ELJRF R10JFB	[#05]		
	6200011031	S.COI ELJRF R10JFB	[#08]		
	6200011031	S.COI ELJRF R10JFB	[#09]		
	6200011031	S.COI ELJRF R10JFB	[#12]		
	6200011031	S.COI ELJRF R10JFB	[#13]		
L14	6200011031	S.COI ELJRF R10JFB		B	43.3/23.5
L15	6200011031	S.COI ELJRF R10JFB		B	32.1/24.4
L16	6200013800	S.COI MLK1005S39NJT		B	55.1/38.2

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
L17	6200015390	S.COI LQW2BHNR47J03L [#01]	B	66.1/18.7
	6200008080	S.COI LQW2BHNR22J03L [#02]		
	6200008080	S.COI LQW2BHNR22J03L [#03]		
	6200015390	S.COI LQW2BHNR47J03L [#04]		
	6200015390	S.COI LQW2BHNR47J03L [#05]		
	6200008080	S.COI LQW2BHNR22J03L [#06]		
	6200008080	S.COI LQW2BHNR22J03L [#07]		
	6200015390	S.COI LQW2BHNR47J03L [#08]		
	6200015390	S.COI LQW2BHNR47J03L [#09]		
	6200008080	S.COI LQW2BHNR22J03L [#10]		
	6200008080	S.COI LQW2BHNR22J03L [#11]		
	6200015390	S.COI LQW2BHNR47J03L [#12]		
	6200015390	S.COI LQW2BHNR47J03L [#13]		
L19	6200007700	S.COI LQW2BHN22NJ03L	B	65.2/36.1
L21	6200013750	S.COI MLK1005SR10JT [#01]	B	68.0/22.0
	6200013750	S.COI MLK1005SR10JT [#04]		
	6200013750	S.COI MLK1005SR10JT [#05]		
	6200013750	S.COI MLK1005SR10JT [#08]		
	6200013750	S.COI MLK1005SR10JT [#09]		
	6200013750	S.COI MLK1005SR10JT [#12]		
	6200013750	S.COI MLK1005SR10JT [#13]		
L22	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO>	B	75.9/33.9
L23	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#01]	B	78.1/34.0
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#04]		
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#05]		
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#08]		
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#09]		
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#12]		
	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO> [#13]		
L24	6200010910	S.COI LQW18AN56NG00D	B	86.9/14.2
L25	6200010910	S.COI LQW18AN56NG00D	B	78.3/13.1
L26	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	81.4/35.8
L27	6200002861	S.COI NLV25T-4R7J	B	82.9/32.7
L28	6200008090	S.COI LQW2BHN68NJ03L	B	83.8/21.1
L29	6200012910	S.COI 0.35-1.6-8TL 45.5N <COMO>	B	85.9/35.2
L30	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	89.8/32.5
L31	6200012780	S.COI 0.30-1.4-6TL 27.2N <COMO>	B	90.3/35.5
L32	6200008090	S.COI LQW2BHN68NJ03L	B	86.3/24.2
L33	6200011021	S.COI ELJRF 82NJFB	B	87.4/25.7
L34	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	86.1/30.7
L35	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#01]	B	75.8/36.5
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#02]		
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#03]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#04]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#05]		
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#06]		
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#07]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#08]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#09]		
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#10]		
	6200012540	S.COI 0.30-1.2-5TR 16.1N <COMO> [#11]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#12]		
	6200013010	S.COI 0.30-0.9-5TL 10.3N <COMO> [#13]		
L36	6200007720	S.COI LQW2BHN33NJ03L	B	32.7/29.7
L37	6200003640	S.COI MLF1608E 100K-T	B	33.1/32.7
L38	6200008090	S.COI LQW2BHN68NJ03L	B	30.7/30.3
L39	6200007170	S.COI MLF1608A 3R3K-T	B	29.7/33.2
L40	6200015410	S.COI MLK1005SR33JT [#01]	B	58.7/8.8
	6200015410	S.COI MLK1005SR33JT [#04]		
	6200015410	S.COI MLK1005SR33JT [#05]		
	6200015410	S.COI MLK1005SR33JT [#08]		
	6200015410	S.COI MLK1005SR33JT [#09]		
	6200015410	S.COI MLK1005SR33JT [#12]		
	6200015410	S.COI MLK1005SR33JT [#13]		
L41	6200014760	S.COI MLK1005SR22JT [#02]	B	66.8/21.7
	6200014760	S.COI MLK1005SR22JT [#03]		
	6200014760	S.COI MLK1005SR22JT [#06]		
	6200014760	S.COI MLK1005SR22JT [#07]		
	6200014760	S.COI MLK1005SR22JT [#10]		
	6200014760	S.COI MLK1005SR22JT [#11]		
L42	6200013800	S.COI MLK1005S39NJT [#02]	B	47.6/27.1
	6200013800	S.COI MLK1005S39NJT [#03]		
	6200013800	S.COI MLK1005S39NJT [#06]		
	6200013800	S.COI MLK1005S39NJT [#07]		
	6200013800	S.COI MLK1005S39NJT [#10]		
	6200013800	S.COI MLK1005S39NJT [#11]		
R1	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	87.2/17.1
R2	7030005060	S.RES ERJ2GEJ 333 X (33K)	B	71.8/41.4
R3	7030004990	S.RES ERJ2GEJ 221 X (220)	T	82.3/29.1
R4	7030009700	S.RES ERJ2GEJ 202 X (2K)	T	83.3/29.1
R5	7030004980	S.RES ERJ2GEJ 101 X (100)	B	71.1/6.5
R6	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	72.1/15.4
R8	7030009730	S.RES ERJ12RQJ0R22U (0.22)	T	87.3/16.5

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REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R10	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	90.3/11.0
R11	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	98.6/16.4
R12	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	41.4/5.6
R13	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	40.2/5.1
R14	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	81.1/33.2
R15	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	83.1/31.5
R16	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	82.2/31.5
R17	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	81.2/30.5
R18	7030005000	S.RES ERJ2GEJ 471 X (470)	T	81.3/34.4
R19	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	86.6/29.0
R20	7030005000	S.RES ERJ2GEJ 471 X (470) [#01]	B	65.6/21.9
	7030005000	S.RES ERJ2GEJ 471 X (470) [#04]		
	7030005000	S.RES ERJ2GEJ 471 X (470) [#05]		
	7030005000	S.RES ERJ2GEJ 471 X (470) [#08]		
	7030005000	S.RES ERJ2GEJ 471 X (470) [#09]		
	7030005000	S.RES ERJ2GEJ 471 X (470) [#12]		
	7030005000	S.RES ERJ2GEJ 471 X (470) [#13]		
R21	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	94.1/17.6
R22	7030004980	S.RES ERJ2GEJ 101 X (100) [#01]	B	47.9/23.7
	7030004970	S.RES ERJ2GEJ 470 X (47) [#02]		
	7030004970	S.RES ERJ2GEJ 470 X (47) [#03]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#04]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#05]		
	7030004970	S.RES ERJ2GEJ 470 X (47) [#06]		
	7030004970	S.RES ERJ2GEJ 470 X (47) [#07]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#08]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#09]		
	7030004970	S.RES ERJ2GEJ 470 X (47) [#10]		
	7030004970	S.RES ERJ2GEJ 470 X (47) [#11]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#12]		
	7030004980	S.RES ERJ2GEJ 101 X (100) [#13]		
R24	7030009320	S.RES ERJ2GEJ 4R7 X (4.7)	B	58.0/36.5
R25	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	91.3/9.5
R26	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	89.7/11.2
R27	7210003700	VAR R08717NSFK150S070A103-00A <EVT>		
R28	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	37.6/5.5
R29	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	34.3/5.5
R30	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	B	34.1/7.4
R31	7030006610	S.RES ERJ2GEJ 394 X (390K)	B	37.3/10.4
R35	7030012220	S.RES ERJ2GEJ 185 X (1.8M)	T	81.8/25.7
R41	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	96.7/10.5
R42	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	88.0/10.5
R43	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	90.6/10.8
R47	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	28.8/17.8
R48	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	34.3/6.4
R49	7030005080	S.RES ERJ2GEJ 823 X (82K)	B	41.4/7.7
R50	7030005000	S.RES ERJ2GEJ 471 X (470)	B	36.8/9.5
R52	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	54.6/32.9
R53	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	54.9/34.1
R55	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	44.3/11.3
R56	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	79.8/22.2
R58	7030005160	S.RES ERJ2GEJ 105 X (1M)	T	87.2/21.9
R59	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	12.6/25.1
R60	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	43.8/7.9
R61	7030007570	S.RES ERJ2GEJ 122 X (1.2K)	B	87.2/8.3
R62	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	43.8/6.9
R64	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	53.4/30.3
R65	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	45.2/11.3
R66	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	53.3/31.2
R67	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	44.8/16.2
R68	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	40.9/11.0
R69	7030007060	S.RES ERJ2GEJ 684X (680K)	T	70.0/26.9
R70	7030005000	S.RES ERJ2GEJ 471 X (470)	T	70.9/26.9
R72	7030005160	S.RES ERJ2GEJ 105 X (1M)	T	66.7/20.7
R81	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	48.1/28.5
R83	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	36.0/14.8
R84	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	51.6/32.1
R85	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	38.0/16.0
R86	7030005070	S.RES ERJ2GEJ 683 X (68K)	T	71.8/29.6
R87	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	72.2/19.4
R88	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	72.2/18.5
R89	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	74.8/21.2
R90	7030012220	S.RES ERJ2GEJ 185 X (1.8M)	B	58.3/31.2
R91	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	66.7/19.1
R92	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	7.9/14.9
R93	7030005530	S.RES ERJ2GEJ 100 X (10)	B	9.0/12.9
R94	7030008010	S.RES ERJ2GEJ 123 X (12K)	B	7.2/16.8
R95	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	52.4/21.1
R96	7030010040	S.RES ERJ2GEJ-JPW	B	60.5/17.3
R97	7030005000	S.RES ERJ2GEJ 471 X (470)	B	59.9/24.3
R98	7030005700	S.RES ERJ2GEJ 274 X (270K)	B	59.9/30.4
R99	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	60.1/32.9
R100	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	61.6/29.8
R101	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	56.2/30.7
R102	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	9.5/6.2
R103	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	6.7/17.9
R104	7030008010	S.RES ERJ2GEJ 123 X (12K)	B	9.4/20.5
R105	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	9.0/11.9
R106	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	12.0/21.9
R107	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	10.4/7.1
R110	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	9.4/19.6
R112	7030010040	S.RES ERJ2GEJ-JPW	B	15.7/23.6
R113	7030010040	S.RES ERJ2GEJ-JPW	B	17.2/24.1
R115	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	8.3/22.8
R116	7030005700	S.RES ERJ2GEJ 274 X (270K)	B	53.5/24.1
R117	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	6.5/19.1
R119	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	9.1/23.8
R122	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	53.6/26.4
R123	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	49.9/22.3
R124	7030005080	S.RES ERJ2GEJ 823 X (82K)	B	51.9/25.9
R125	7030005170	S.RES ERJ2GEJ 474 X (470K)	B	48.5/27.1
R126	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	51.7/25.0
R130	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	49.9/39.2
R131	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	B	46.8/40.3

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R137	7030009280	S.RES ERJ2GEJ 391 X		T	103.2/27.6
R138	7030008400	S.RES ERJ2GEJ 182 X (1.8K)		T	102.3/27.6
R140	7410001140	S.ARR EXB28V104JX		B	28.8/15.4
R143	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	22.6/35.7
R144	7030007570	S.RES ERJ2GEJ 122 X (1.2K)		B	23.7/36.7
R145	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	26.4/38.0
R146	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	26.4/42.0
R147	7030007350	S.RES ERJ2GEJ 393 X (39K)		B	43.0/40.8
R150	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	44.2/39.0
R151	7030005100	S.RES ERJ2GEJ 154 X (150K)		B	16.7/30.1
R152	7030005600	S.RES ERJ2GEJ 273 X (27K)		B	42.1/40.8
R153	7410001130	S.ARR EXB28V102JX		B	18.5/32.2
R155	7510001730	S.THE ERTJOEP 473J		T	51.3/4.8
R156	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	48.7/21.7
R157	7030010080	S.RES ERJ2RHD 1003X (100K)		T	49.4/4.2
R158	7030007290	S.RES ERJ2GEJ 222 X (2.2K)		B	40.5/20.1
R159	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	38.3/34.2
R160	7030005110	S.RES ERJ2GEJ 224 X (220K)		B	26.8/30.3
R162	7030005600	S.RES ERJ2GEJ 273 X (27K)		B	22.9/37.6
R163	7030005580	S.RES ERJ2GEJ 560 X (56)		B	17.5/40.5
R164	7030007060	S.RES ERJ2GEJ 684X (680K)		B	51.0/21.4
R165	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	51.1/22.9
R166	7030011000	S.RES RR0510P-392-D (3.9K)		B	39.5/33.3
R167	7030011000	S.RES RR0510P-392-D (3.9K)		B	40.0/29.9
R168	7030008340	S.RES RR0510P-182-D (1.8K)		B	40.7/28.1
R169	7030008340	S.RES RR0510P-182-D (1.8K)		B	40.6/34.9
R170	7030009320	S.RES ERJ2GEJ 4R7 X (4.7)		B	40.4/36.1
R173	7410001130	S.ARR EXB28V102JX		B	56.4/13.9
R176	7030004980	S.RES ERJ2GEJ 101 X (100)		B	35.0/19.5
R177	7030005310	S.RES ERJ2GEJ 124 X (120K)		B	36.3/24.6
R178	7030008370	S.RES ERJ2GEJ 561 X (560)		B	42.3/33.3
R179	7030005000	S.RES ERJ2GEJ 471 X (470)		B	42.5/31.5
R181	7030004970	S.RES ERJ2GEJ 470 X (47)		B	59.0/15.5
R182	7030008300	S.RES ERJ2GEJ 184 X (180K)		B	51.8/8.4
R183	7030005840	S.RES RR0510P-473-D (47K)		B	52.3/6.4
R184	7030005110	S.RES ERJ2GEJ 224 X (220K)		B	51.7/12.5
R185	7030005160	S.RES ERJ2GEJ 105 X (1M)		B	51.5/10.7
R186	7030005000	S.RES ERJ2GEJ 471 X (470)		B	51.1/9.8
R187	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	49.4/5.5
R188	7030005030	S.RES ERJ2GEJ 152 X (1.5K)		B	50.6/4.7
R190	7030005240	S.RES ERJ2GEJ 473 X (47K)		B	40.1/22.4
R191	7030005530	S.RES ERJ2GEJ 100 X (10)		B	38.3/19.6
R192	7030005530	S.RES ERJ2GEJ 100 X (10)		B	34.0/24.8
R193	7030005240	S.RES ERJ2GEJ 473 X (47K)		B	35.0/23.6
R194	7030007290	S.RES ERJ2GEJ 222 X (2.2K)		B	61.2/9.2
R196	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	59.1/7.9
R197	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	52.3/40.6
R198	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	51.6/38.5
R199	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	46.8/25.5
R200	7030004980	S.RES ERJ2GEJ 101 X (100)		B	54.9/40.3
R201	7030005290	S.RES ERJ2GEJ 682 X (6.8K)		B	54.3/35.3
R202	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	49.6/24.1
R203	7030004970	S.RES ERJ2GEJ 470 X (47)		B	65.4/20.3
R204	7030005530	S.RES ERJ2GEJ 100 X (10)	[#01]	B	66.2/15.8
	7030010040	S.RES ERJ2GEJ-JPW	[#02]		
	7030010040	S.RES ERJ2GEJ-JPW	[#03]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#04]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#05]		
	7030010040	S.RES ERJ2GEJ-JPW	[#06]		
	7030010040	S.RES ERJ2GEJ-JPW	[#07]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#08]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#09]		
	7030010040	S.RES ERJ2GEJ-JPW	[#10]		
	7030010040	S.RES ERJ2GEJ-JPW	[#11]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#12]		
	7030005530	S.RES ERJ2GEJ 100 X (10)	[#13]		
R205	7030008370	S.RES ERJ2GEJ 561 X (560)	[#01]	B	63.5/5.9
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#02]		
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#03]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#04]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#05]		
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#06]		
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#07]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#08]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#09]		
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#10]		
	7030007270	S.RES ERJ2GEJ 151 X (150)	[#11]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#12]		
	7030008370	S.RES ERJ2GEJ 561 X (560)	[#13]		
R206	7030009160	S.RES ERJ2GEJ 181 X (180)		B	82.6/30.6
R207	7030007290	S.RES ERJ2GEJ 222 X (2.2K)		B	52.7/36.1
R208	7030005060	S.RES ERJ2GEJ 333 X (33K)		B	58.4/39.3
R209	7030005590	S.RES ERJ2GEJ 680 X (68)		B	56.9/37.5
R210	7030005210	S.RES ERJ2GEJ 822 X (8.2K)		B	58.4/37.7
R211	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	66.6/38.4
R212	7030007300	S.RES ERJ2GEJ 332 X (3.3K)		B	64.9/16.2
R213	7030005100	S.RES ERJ2GEJ 154 X (150K)		B	71.2/17.1
R214	7030005310	S.RES ERJ2GEJ 124 X (120K)		B	70.8/15.8
R215	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	70.5/20.1
R216	7030005590	S.RES ERJ2GEJ 680 X (68)		B	69.3/19.9
R217	7030005080	S.RES ERJ2GEJ 823 X (82K)		B	72.0/15.8
R218	7030007250	S.RES ERJ2GEJ 220 X (22)		B	67.5/35.9
R219	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	65.7/38.2
R220	7030005530	S.RES ERJ2GEJ 100 X (10)		T	85.2/37.1
R221	7030007570	S.RES ERJ2GEJ 122 X (1.2K)		T	80.2/40.4
R222	7520000261	S.POS PRF18BB471QB5RB		T	79.9/38.0
R223	7030005010	S.RES ERJ2GEJ 681 X (680)		B	85.3/12.7
R224	7030004970	S.RES ERJ2GEJ 470 X (47)		B	86.2/11.8

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R225	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#01]	B	82.1/11.6
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#02]		
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#03]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#04]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#05]		
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#06]		
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#07]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#08]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#09]		
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#10]		
	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	[#11]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#12]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#13]		
R227	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	83.3/11.2
R228	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	82.1/10.7
R229	7030008280	S.RES ERJ2GEJ 271 X (270)		B	81.9/15.4
R232	7030005110	S.RES ERJ2GEJ 224 X (220K)		T	87.8/35.1
R233	7030005310	S.RES ERJ2GEJ 124 X (120K)		T	85.0/32.7
R234	7030005050	S.RES ERJ2GEJ 103 X (10K)		T	87.9/33.2
R235	7030005070	S.RES ERJ2GEJ 683 X (68K)		T	85.3/31.5
R236	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	83.6/18.0
R237	7030008290	S.RES ERJ2GEJ 183 X (18K)		B	84.5/18.0
R238	7030005530	S.RES ERJ2GEJ 100 X (10)		B	86.3/17.2
R239	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#02]	B	91.3/16.6
	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#03]		
	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#06]		
	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#07]		
	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#10]		
	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	[#11]		
R240	7030005310	S.RES ERJ2GEJ 124 X (120K)		B	82.7/17.0
R241	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	82.8/24.5
R243	7030005290	S.RES ERJ2GEJ 682 X (6.8K)		B	79.6/31.1
R244	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	80.5/31.1
R245	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	82.3/26.1
R246	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	80.6/26.3
R247	7030005050	S.RES ERJ2GEJ 103 X (10K)		T	86.8/31.8
R248	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#02]	B	90.9/18.5
	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#03]		
	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#06]		
	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#07]		
	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#10]		
	7030009150	S.RES ERJ2GEJ 824 X (820K)	[#11]		
R249	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#02]	B	92.4/18.0
	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#03]		
	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#06]		
	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#07]		
	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#10]		
	7030005110	S.RES ERJ2GEJ 224 X (220K)	[#11]		
R250	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	90.2/22.7
R251	7030005070	S.RES ERJ2GEJ 683 X (68K)		B	91.1/38.1
R253	7030010040	S.RES ERJ2GEJ-JPW		B	50.3/19.6
R254	7030010040	S.RES ERJ2GEJ-JPW		B	22.8/39.7
R256	7030005530	S.RES ERJ2GEJ 100 X (10)		B	53.8/38.5
R257	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	57.1/16.4
R258	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	21.2/23.6
R259	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	22.1/23.6
R260	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	30.7/10.5
R263	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	28.8/18.7
R264	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	28.5/19.6
R265	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	30.0/20.2
R266	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	25.1/24.5
R267	7030009160	S.RES ERJ2GEJ 181 X (180)	[#09]	B	21.0/26.0
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#10]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#11]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#12]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#13]		
R268	7030009160	S.RES ERJ2GEJ 181 X (180)	[#09]	B	22.2/26.8
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#10]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#11]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#12]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#13]		
R269	7030009160	S.RES ERJ2GEJ 181 X (180)	[#05]	B	23.1/26.8
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#06]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#07]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#08]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#09]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#10]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#11]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#12]		
	7030009160	S.RES ERJ2GEJ 181 X (180)	[#13]		
R270	7030007280	S.RES ERJ2GEJ 331 X (330)	[#05]	B	24.0/26.8
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#06]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#07]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#08]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#09]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#10]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#11]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#12]		
	7030007280	S.RES ERJ2GEJ 331 X (330)	[#13]		
R271	7030007060	S.RES ERJ2GEJ 684X (680K)	[#05]	T	57.1/14.0
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#06]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#07]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#08]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#09]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#10]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#11]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#12]		
	7030007060	S.RES ERJ2GEJ 684X (680K)	[#13]		
R272	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	26.2/22.8
R273	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	14.6/23.6
R274	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	13.7/24.0
R275	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	27.1/7.4
R276	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	25.8/6.2
R277	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	24.8/4.7
R278	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	31.4/8.4

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R279	7030004990	S.RES ERJ2GEJ 221 X (220)		B	23.6/4.7
R280	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	22.4/5.1
R282	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#05]	T	52.1/12.7
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#06]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#07]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#08]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#09]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#10]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#11]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#12]		
	7030005050	S.RES ERJ2GEJ 103 X (10K)	[#13]		
R283	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#05]	T	52.2/13.7
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#06]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#07]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#08]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#09]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#10]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#11]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#12]		
	7030005220	S.RES ERJ2GEJ 223 X (22K)	[#13]		
R284	7030005000	S.RES ERJ2GEJ 471 X (470)		B	77.6/8.6
R286	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.5/16.7
R287	7410001140	S.ARR EXB28V104JX		B	28.8/12.4
R288	7410001140	S.ARR EXB28V104JX		B	29.8/4.8
R289	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.3/15.8
R290	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.5/14.9
R291	7030007340	S.RES ERJ2GEJ 153 X (15K)		B	15.9/27.2
R292	7030005720	S.RES ERJ2GEJ 563 X (56K)		T	60.6/40.5
R294	7030005060	S.RES ERJ2GEJ 333 X (33K)		T	58.6/40.0
R295	7030010040	S.RES ERJ2GEJ-JPW		B	30.3/11.7
R296	7410001140	S.ARR EXB28V104JX		T	27.8/18.9
R297	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#05]	B	54.9/16.7
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#06]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#07]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#08]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#09]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#10]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#11]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#12]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#13]		
R298	7030005090	S.RES ERJ2GEJ 104 X (100K)		T	48.7/40.4
R299	7030010040	S.RES ERJ2GEJ-JPW	[#05]	T	35.0/10.2
	7030010040	S.RES ERJ2GEJ-JPW	[#06]		
	7030010040	S.RES ERJ2GEJ-JPW	[#07]		
	7030010040	S.RES ERJ2GEJ-JPW	[#08]		
R300	7030010040	S.RES ERJ2GEJ-JPW	[#01]	B	21.1/4.7
	7030010040	S.RES ERJ2GEJ-JPW	[#02]		
	7030010040	S.RES ERJ2GEJ-JPW	[#03]		
	7030010040	S.RES ERJ2GEJ-JPW	[#04]		
R301	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	12.4/37.9
R302	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	10.5/38.6
R303	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	11.3/5.2
R304	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	10.5/36.0
R305	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	12.1/36.9
R307	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	19.6/24.0
R308	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	18.3/26.2
R309	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	27.1/4.6
R310	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	30.2/8.4
R311	7030005090	S.RES ERJ2GEJ 104 X (100K)		T	63.8/25.6
R312	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	28.6/8.7
R313	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	27.1/6.5
R314	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	27.1/5.6
R317	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.5/18.5
R319	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	18.4/24.0
R320	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.5/17.6
R322	7030005090	S.RES ERJ2GEJ 104 X (100K)		T	65.6/25.4
R323	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#01]	B	20.7/24.9
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#02]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#03]		
	7030005090	S.RES ERJ2GEJ 104 X (100K)	[#04]		
R324	7030007340	S.RES ERJ2GEJ 153 X (15K)		B	54.9/30.7
R325	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	13.7/32.3
R326	7030005040	S.RES ERJ2GEJ 472 X (4.7K)		B	15.0/31.2
R327	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	12.1/32.3
R328	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	26.9/23.7
R329	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	9.5/14.0
R330	7030005600	S.RES ERJ2GEJ 273 X (27K)		B	49.1/6.7
R331	7030005120	S.RES ERJ2GEJ 102 X (1K)		B	46.8/20.4
R332	7030007280	S.RES ERJ2GEJ 331 X (330)		T	84.9/30.0
R333	7030005050	S.RES ERJ2GEJ 103 X (10K)		T	83.6/27.5
R334	7030005210	S.RES ERJ2GEJ 822 X (8.2K)		T	80.6/24.6
R335	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	96.5/17.6
R336	7030004970	S.RES ERJ2GEJ 470 X (47)		B	46.6/29.7
R337	7030004970	S.RES ERJ2GEJ 470 X (47)		B	50.9/36.5
R338	7030005060	S.RES ERJ2GEJ 333 X (33K)		T	88.8/33.5
R339	7030005220	S.RES ERJ2GEJ 223 X (22K)		T	65.9/15.3
R340	7030008010	S.RES ERJ2GEJ 123 X (12K)		T	64.5/16.5
R341	7030008010	S.RES ERJ2GEJ 123 X (12K)		T	64.1/12.8
R342	7030005290	S.RES ERJ2GEJ 682 X (6.8K)		B	87.3/7.4
R345	7030005050	S.RES ERJ2GEJ 103 X (10K)		B	91.9/13.1
R346	7030005090	S.RES ERJ2GEJ 104 X (100K)		B	42.9/5.4
R347	7030005210	S.RES ERJ2GEJ 822 X (8.2K)		T	84.2/21.6
R348	7030005120	S.RES ERJ2GEJ 102 X (1K)		T	67.0/12.7
R349	7030010040	S.RES ERJ2GEJ-JPW		B	82.7/19.5
R350	7030005010	S.RES ERJ2GEJ 681 X (680)	[#02]	B	58.7/8.8
	7030005010	S.RES ERJ2GEJ 681 X (680)	[#03]		
	7030005010	S.RES ERJ2GEJ 681 X (680)	[#06]		
	7030005010	S.RES ERJ2GEJ 681 X (680)	[#07]		
	7030005010	S.RES ERJ2GEJ 681 X (680)	[#10]		
	7030005010	S.RES ERJ2GEJ 681 X (680)	[#11]		

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R351	7030010040	S.RES ERJ2GEJ-JPW	[#02]	B	78.1/34.6
	7030010040	S.RES ERJ2GEJ-JPW	[#03]		
	7030010040	S.RES ERJ2GEJ-JPW	[#06]		
	7030010040	S.RES ERJ2GEJ-JPW	[#07]		
	7030010040	S.RES ERJ2GEJ-JPW	[#10]		
	7030010040	S.RES ERJ2GEJ-JPW	[#11]		
R352	7030005000	S.RES ERJ2GEJ 471 X (470)	[#02]	B	38.6/23.7
	7030005000	S.RES ERJ2GEJ 471 X (470)	[#03]		
	7030005000	S.RES ERJ2GEJ 471 X (470)	[#06]		
	7030005000	S.RES ERJ2GEJ 471 X (470)	[#07]		
	7030005000	S.RES ERJ2GEJ 471 X (470)	[#10]		
	7030005000	S.RES ERJ2GEJ 471 X (470)	[#11]		
C1	4030019490	S.CER C2012 JB 1A 106K-T		B	76.2/9.4
C2	4030017460	S.CER C1005 JB 1H 102K-T		T	77.5/28.6
C3	4030017460	S.CER C1005 JB 1H 102K-T		T	81.3/35.3
C4	4030017460	S.CER C1005 JB 1H 102K-T		B	71.4/42.6
C5	4030017460	S.CER C1005 JB 1H 102K-T		B	70.9/41.4
C6	4030017460	S.CER C1005 JB 1H 102K-T		B	88.1/5.8
C7	4030017460	S.CER C1005 JB 1H 102K-T		B	86.1/41.9
C8	4030017460	S.CER C1005 JB 1H 102K-T		T	62.1/40.1
C9	4030017460	S.CER C1005 JB 1H 102K-T		T	79.5/27.8
C10	4030017460	S.CER C1005 JB 1H 102K-T		B	64.1/40.9
C11	4030017460	S.CER C1005 JB 1H 102K-T		T	60.2/39.6
C12	4030017420	S.CER C1005 CH 1H 470J-T		B	72.7/6.5
C13	4030017460	S.CER C1005 JB 1H 102K-T		B	49.8/11.2
C14	4030017420	S.CER C1005 CH 1H 470J-T		T	72.1/14.5
C15	4030017570	S.CER C1005 CH 1H 040B-T		B	30.8/33.0
C16	4030017460	S.CER C1005 JB 1H 102K-T		T	83.8/12.8
C18	4030017460	S.CER C1005 JB 1H 102K-T		T	92.6/26.5
C19	4030017460	S.CER C1005 JB 1H 102K-T		T	75.7/27.6
C20	4030017460	S.CER C1005 JB 1H 102K-T		T	94.8/19.2
C21	4030017460	S.CER C1005 JB 1H 102K-T		T	95.1/26.6
C22	4030016930	S.CER C1005 JB 1A 104K-T		B	33.2/8.3
C23	4030016940	S.CER C1005 JB 1A 393K-T		B	41.9/6.8
C24	4030018860	S.CER C1005 JB 0J 105K-T		T	80.4/29.0
C25	4030016930	S.CER C1005 JB 1A 104K-T		T	82.6/30.3
C26	4030019490	S.CER C2012 JB 1A 106K-T		T	83.0/34.0
C27	4030016950	S.CER C1005 JB 1A 473K-T		T	87.6/29.0
C28	4550007550	S.TAN F931V334MAABMA		B	24.6/40.0
C29	4520000020	S.NIO NOJC227M006RWJV		T	76.3/15.8
C32	4030016930	S.CER C1005 JB 1A 104K-T		T	98.6/14.4
C33	4030018900	S.CER C1005 JB 0J 474K-T		T	97.2/17.6
C34	4030018860	S.CER C1005 JB 0J 105K-T		B	91.9/14.7
C35	4030017570	S.CER C1005 CH 1H 040B-T		B	29.7/35.3
C36	4030017420	S.CER C1005 CH 1H 470J-T		T	96.7/6.6
C38	4030017460	S.CER C1005 JB 1H 102K-T		T	96.8/18.8
C39	4030017460	S.CER C1005 JB 1H 102K-T		T	95.5/5.1
C40	4030017590	S.CER C1005 CH 1H 070C-T		B	35.7/29.1
C41	4030017460	S.CER C1005 JB 1H 102K-T		T	100.2/8.2
C43	4030016930	S.CER C1005 JB 1A 104K-T		B	39.0/5.1
C44	4030017790	S.CER C1005 JB 1H 682K-T		B	36.3/5.3
C45	4030019460	S.CER C1608 JB 0J 106M-T		B	39.8/7.2
C47	4030017460	S.CER C1005 JB 1H 102K-T		T	74.2/30.9
C48	4030017460	S.CER C1005 JB 1H 102K-T		B	40.9/32.0
C49	4030017460	S.CER C1005 JB 1H 102K-T		B	40.3/31.1
C52	4030017730	S.CER C1005 JB 1H 471K-T		T	81.0/22.5
C53	4030019490	S.CER C2012 JB 1A 106K-T		B	90.1/5.7
C54	4030016930	S.CER C1005 JB 1A 104K-T		B	90.7/15.4
C56	4030016930	S.CER C1005 JB 1A 104K-T		B	91.3/8.6
C58	4030018860	S.CER C1005 JB 0J 105K-T		B	86.7/9.2
C61	4030021240	S.CER C1005 JB 1C 105K-T		B	97.0/12.8
C63	4030016970	S.CER C1005 JB 1E 223K-T		B	31.8/4.9
C65	4030017040	S.CER C1005 JB 1A 333K-T		T	79.6/23.4
C66	4030016930	S.CER C1005 JB 1A 104K-T		T	69.1/26.8
C67	4030017040	S.CER C1005 JB 1A 333K-T		T	72.4/26.9
C70	4030016930	S.CER C1005 JB 1A 104K-T		T	87.2/21.0
C73	4030016930	S.CER C1005 JB 1A 104K-T		B	40.4/16.4
C74	4030017460	S.CER C1005 JB 1H 102K-T		T	95.1/28.5
C77	4030017460	S.CER C1005 JB 1H 102K-T		B	88.9/13.2
C79	4030021240	S.CER C1005 JB 1C 105K-T		T	99.5/20.8
C82	4030016930	S.CER C1005 JB 1A 104K-T		B	53.0/29.1
C83	4030016960	S.CER C1005 JB 1E 183K-T		B	52.9/33.1
C84	4030018100	S.CER C1005 JB 1H 681K-T		B	45.2/9.7
C85	4030018100	S.CER C1005 JB 1H 681K-T		B	44.8/12.6
C86	4030017750	S.CER C1005 JB 1H 122K-T		B	53.2/32.1
C87	4030020010	S.CER C1005 CH 1H 271J-T		B	43.7/15.8
C89	4030017680	S.CER C1005 CH 1H 820J-T		T	70.5/25.6
C90	4030018860	S.CER C1005 JB 0J 105K-T		T	72.8/22.7
C91	4030018860	S.CER C1005 JB 0J 105K-T		T	73.7/22.7
C92	4030017420	S.CER C1005 CH 1H 470J-T		T	68.2/25.8
C93	4030017420	S.CER C1005 CH 1H 470J-T		T	67.0/24.8
C94	4030017420	S.CER C1005 CH 1H 470J-T		T	65.0/24.2
C95	4030017420	S.CER C1005 CH 1H 470J-T		T	65.3/22.3
C96	4030017620	S.CER C1005 CH 1H 100C-T		T	63.9/22.0
C97	4030016930	S.CER C1005 JB 1A 104K-T		B	49.1/25.7
C98	4030016790	S.CER C1005 JB 1E 103K-T		T	90.8/23.6
C99	4030016790	S.CER C1005 JB 1E 103K-T		T	96.0/27.5
C100	4030020000	S.CER C1005 JB 1A 105K-T		B	101.2/15.7
C103	4030016790	S.CER C1005 JB 1E 103K-T		T	103.0/29.2
C104	4030016790	S.CER C1005 JB 1E 103K-T		B	34.1/13.6
C105	4030017460	S.CER C1005 JB 1H 102K-T		T	98.7/17.9
C106	4030021240	S.CER C1005 JB 1C 105K-T		B	34.3/9.2
C108	4030016930	S.CER C1005 JB 1A 104K-T		B	32.5/13.6
C109	4030017770	S.CER C1005 JB 1H 332K-T		B	37.0/13.6
C110	4030017690	S.CER C1005 CH 1H 121J-T		B	36.9/14.8
C112	4030016930	S.CER C1005 JB 1A 104K-T		B	50.0/32.3
C113	4030016930	S.CER C1005 JB 1A 104K-T		B	38.6/11.8
C114	4030017440	S.CER C1005 CH 1H 221J-T		T	71.0/18.8
C115	4030016790	S.CER C1005 JB 1E 103K-T		T	73.2/20.9
C116	4030016930	S.CER C1005 JB 1A 104K-T		B	49.2/8.3
C118	4030020000	S.CER C1005 JB 1A 105K-T		T	67.9/18.3
C119	4030020000	S.CER C1005 JB 1A 105K-T		T	69.5/19.0
C120	4030016930	S.CER C1005 JB 1A 104K-T		T	67.9/19.2

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

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REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C121	4030016930	S.CER C1005 JB 1A 104K-T	T	69.5/18.1
C124	4030017030	S.CER C1005 JB 1A 273K-T	B	4.7/10.5
C125	4030017620	S.CER C1005 CH 1H 100C-T	B	6.7/10.9
C126	4030017340	S.CER C1005 CH 1H 010B-T	B	3.9/12.9
C127	4030017430	S.CER C1005 CH 1H 101J-T	B	7.2/15.9
C128	4030018890	S.CER C1005 JB 0J 224K-T	B	8.2/21.0
C129	4030019490	S.CER C2012 JB 1A 106K-T	B	57.6/33.0
C130	4030016790	S.CER C1005 JB 1E 103K-T	B	53.6/21.4
C131	4030016930	S.CER C1005 JB 1A 104K-T	B	61.0/18.4
C132	4030016930	S.CER C1005 JB 1A 104K-T	B	59.6/25.5
C133	4030017430	S.CER C1005 CH 1H 101J-T	B	61.6/30.7
C134	4030020950	S.CER C1005 CH 1H 331JT	B	56.2/31.6
C135	4030016790	S.CER C1005 JB 1E 103K-T	B	53.5/27.9
C136	4030017460	S.CER C1005 JB 1H 102K-T	B	16.0/4.7
C137	4030016790	S.CER C1005 JB 1E 103K-T	B	15.1/4.7
C138	4030017460	S.CER C1005 JB 1H 102K-T	B	14.2/4.7
C140	4030016930	S.CER C1005 JB 1A 104K-T	B	5.5/19.1
C141	4550007320	S.TAN F930J226MAABMA	B	6.7/7.9
C142	4030016930	S.CER C1005 JB 1A 104K-T	B	9.0/8.4
C143	4030016930	S.CER C1005 JB 1A 104K-T	B	6.9/24.7
C144	4030016930	S.CER C1005 JB 1A 104K-T	B	10.4/22.0
C145	4030020000	S.CER C1005 JB 1A 105K-T	B	6.0/24.7
C146	4030016790	S.CER C1005 JB 1E 103K-T	B	10.4/5.5
C147	4030016930	S.CER C1005 JB 1A 104K-T	B	55.4/18.9
C150	4030017460	S.CER C1005 JB 1H 102K-T	B	48.8/40.3
C151	4030017580	S.CER C1005 CH 1H 060C-T	B	34.2/30.8
C152	4030017580	S.CER C1005 CH 1H 060C-T	B	36.3/32.1
C153	4030016930	S.CER C1005 JB 1A 104K-T	B	41.3/33.3
C154	4030017460	S.CER C1005 JB 1H 102K-T	B	23.2/31.5
C157	4030017420	S.CER C1005 CH 1H 470J-T	B	51.7/24.1
C158	4030017460	S.CER C1005 JB 1H 102K-T	B	49.9/40.8
C159	4550007320	S.TAN F930J226MAABMA	B	49.3/35.3
C161	4030017460	S.CER C1005 JB 1H 102K-T	B	44.0/18.7
C162	4030016930	S.CER C1005 JB 1A 104K-T	B	31.5/9.4
C165	4030017460	S.CER C1005 JB 1H 102K-T	B	22.5/33.9
C167	4550007390	S.TAN F931C225MAABMA	B	28.1/39.5
C168	4030016790	S.CER C1005 JB 1E 103K-T	B	42.5/18.2
C169	4030017460	S.CER C1005 JB 1H 102K-T	B	23.1/32.7
C170	4030017460	S.CER C1005 JB 1H 102K-T	B	26.8/37.1
C171	4030017420	S.CER C1005 CH 1H 470J-T	B	43.9/41.1
C173	4030017460	S.CER C1005 JB 1H 102K-T	B	15.9/32.1
C175	4030017460	S.CER C1005 JB 1H 102K-T	B	21.1/32.9
C176	4030016930	S.CER C1005 JB 1A 104K-T	B	48.4/19.3
C177	4030017420	S.CER C1005 CH 1H 470J-T	B	20.2/29.6
C178	4030017420	S.CER C1005 CH 1H 470J-T	B	19.2/29.6
C180	4030016790	S.CER C1005 JB 1E 103K-T	B	16.0/36.2
C183	4550007550	S.TAN F931V334MAABMA	B	29.8/41.6
C184	4030019490	S.CER C2012 JB 1A 106K-T	B	36.9/17.8
C186	4030017420	S.CER C1005 CH 1H 470J-T	B	33.0/34.8
C187	4030017660	S.CER C1005 CH 1H 330J-T	B	39.0/29.3
C188	4030017660	S.CER C1005 CH 1H 330J-T	B	34.1/26.8
C189	4030018860	S.CER C1005 JB 0J 105K-T	B	43.0/39.1
C191	4030017730	S.CER C1005 JB 1H 471K-T	B	41.2/39.1
C192	4030017910	S.CER C1005 JB 1H 152K-T	B	42.1/39.1
C194	4030017340	S.CER C1005 CH 1H 010B-T	B	37.3/33.6
C195	4030020000	S.CER C1005 JB 1A 105K-T	B	22.8/38.7
C196	4030017460	S.CER C1005 JB 1H 102K-T	B	19.9/39.0
C197	4550007120	S.TAN F92 1D 224MPA	B	25.5/28.4
C198	4030017620	S.CER C1005 CH 1H 100C-T	B	49.2/20.5
C199	4030018890	S.CER C1005 JB 0J 224K-T	B	18.0/39.6
C200	4030017460	S.CER C1005 JB 1H 102K-T	B	24.0/29.9
C201	4030017570	S.CER C1005 CH 1H 040B-T	B	39.0/30.9
C202	4030017650	S.CER C1005 CH 1H 270J-T	B	39.4/28.1
C203	4030017650	S.CER C1005 CH 1H 270J-T	B	42.2/29.7
C204	4030017650	S.CER C1005 CH 1H 270J-T	B	42.6/30.6
C205	4030017660	S.CER C1005 CH 1H 330J-T	B	35.5/33.3
C206	4030017510	S.CER C1005 CH 1H 680J-T	B	37.6/35.5
C207	4030017410	S.CER C1005 CH 1H 240J-T	B	39.5/34.9
C208	4030017660	S.CER C1005 CH 1H 330J-T	B	38.5/32.6
C210	4030017630	S.CER C1005 CH 1H 120J-T	B	26.7/27.0
C212	4030016790	S.CER C1005 JB 1E 103K-T	B	66.6/20.5
C213	4030016790	S.CER C1005 JB 1E 103K-T	B	51.5/20.2
C214	4030017500	S.CER C1005 CH 1H 560J-T	B	52.3/16.0
C215	4030017580	S.CER C1005 CH 1H 060C-T	B	51.1/15.4
C216	4030017500	S.CER C1005 CH 1H 560J-T	B	52.3/14.9
C217	4030017430	S.CER C1005 CH 1H 101J-T	B	50.0/14.1
C218	4030017420	S.CER C1005 CH 1H 470J-T	B	54.2/13.2
C219	4030017460	S.CER C1005 JB 1H 102K-T	B	40.9/29.7
C221	4030017460	S.CER C1005 JB 1H 102K-T	B	40.4/33.3
C223	4030016930	S.CER C1005 JB 1A 104K-T	B	36.4/20.1
C224	4030017540	S.CER C1005 CH 1H R75B-T	B	42.8/26.0
C225	4030017460	S.CER C1005 JB 1H 102K-T	B	38.8/25.5
C227	4030017530	S.CER C1005 CH 1H 0R5B-T	B	43.2/33.3
C231	4030017630	S.CER C1005 CH 1H 120J-T	B	26.9/24.6
C233	4030016930	S.CER C1005 JB 1A 104K-T	B	61.0/15.4
C234	4030019490	S.CER C2012 JB 1A 106K-T	B	60.0/13.7
C235	4030018890	S.CER C1005 JB 0J 224K-T	B	59.2/12.1
C236	4030018860	S.CER C1005 JB 0J 105K-T	B	58.4/10.7
C237	4030018860	S.CER C1005 JB 0J 105K-T	B	59.4/10.3
C238	4030017430	S.CER C1005 CH 1H 101J-T	B	60.3/10.0
C239	4030017460	S.CER C1005 JB 1H 102K-T	B	53.7/6.3
C240	4030017460	S.CER C1005 JB 1H 102K-T	B	51.4/11.6
C241	4030017700	S.CER C1005 CH 1H 151J-T	B	50.4/8.2
C242	4030017700	S.CER C1005 CH 1H 151J-T	B	50.3/7.3
C243	4030019490	S.CER C2012 JB 1A 106K-T	B	54.1/4.9
C244	4030017460	S.CER C1005 JB 1H 102K-T	B	49.4/9.8
C245	4030017720	S.CER C1005 JB 1H 331K-T	B	53.5/15.9

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C246	4030017660	S.CER C1005 CH 1H 330J-T [#01]	B	47.8/7.0
	4030017420	S.CER C1005 CH 1H 470J-T [#02]		
	4030017420	S.CER C1005 CH 1H 470J-T [#03]		
	4030017660	S.CER C1005 CH 1H 330J-T [#04]		
	4030017660	S.CER C1005 CH 1H 330J-T [#05]		
	4030017420	S.CER C1005 CH 1H 470J-T [#06]		
	4030017420	S.CER C1005 CH 1H 470J-T [#07]		
	4030017660	S.CER C1005 CH 1H 330J-T [#08]		
	4030017660	S.CER C1005 CH 1H 330J-T [#09]		
	4030017420	S.CER C1005 CH 1H 470J-T [#10]		
	4030017420	S.CER C1005 CH 1H 470J-T [#11]		
	4030017660	S.CER C1005 CH 1H 330J-T [#12]		
	4030017660	S.CER C1005 CH 1H 330J-T [#13]		
C247	4030017730	S.CER C1005 JB 1H 471K-T	B	51.4/6.1
C248	4030017460	S.CER C1005 JB 1H 102K-T	B	32.3/20.1
C250	4030017590	S.CER C1005 CH 1H 070C-T	B	38.5/22.8
C251	4030017460	S.CER C1005 JB 1H 102K-T	B	42.1/23.0
C252	4030017460	S.CER C1005 JB 1H 102K-T	B	37.1/19.2
C253	4030017620	S.CER C1005 CH 1H 100C-T	B	42.3/24.7
C254	4030017360	S.CER C1005 CH 1H 030B-T	B	34.8/22.4
C256	4030017460	S.CER C1005 JB 1H 102K-T	B	34.1/23.6
C257	4030017620	S.CER C1005 CH 1H 100C-T	B	30.1/22.5
C258	4030017430	S.CER C1005 CH 1H 101J-T	B	55.9/6.5
C259	4030016790	S.CER C1005 JB 1E 103K-T	T	56.6/33.0
C260	4030018890	S.CER C1005 JB 0J 224K-T	B	55.0/6.5
C261	4030017460	S.CER C1005 JB 1H 102K-T	B	53.5/40.6
C262	4030017420	S.CER C1005 CH 1H 470J-T	B	56.5/39.7
C263	4030017460	S.CER C1005 JB 1H 102K-T	B	51.9/39.7
C264	4030017540	S.CER C1005 CH 1H R75B-T [#01]	B	51.8/36.1
	4030017360	S.CER C1005 CH 1H 030B-T [#02]		
	4030017360	S.CER C1005 CH 1H 030B-T [#03]		
	4030017540	S.CER C1005 CH 1H R75B-T [#04]		
	4030017540	S.CER C1005 CH 1H R75B-T [#05]		
	4030017360	S.CER C1005 CH 1H 030B-T [#06]		
	4030017360	S.CER C1005 CH 1H 030B-T [#07]		
	4030017540	S.CER C1005 CH 1H R75B-T [#08]		
	4030017540	S.CER C1005 CH 1H R75B-T [#09]		
	4030017360	S.CER C1005 CH 1H 030B-T [#10]		
	4030017360	S.CER C1005 CH 1H 030B-T [#11]		
	4030017540	S.CER C1005 CH 1H R75B-T [#12]		
	4030017540	S.CER C1005 CH 1H R75B-T [#13]		
C265	4030017460	S.CER C1005 JB 1H 102K-T	B	55.1/39.1
C267	4030017460	S.CER C1005 JB 1H 102K-T	B	54.0/34.1
C268	4030017460	S.CER C1005 JB 1H 102K-T	B	64.4/22.5
C269	4030016790	S.CER C1005 JB 1E 103K-T	B	60.3/8.4
C271	4030017460	S.CER C1005 JB 1H 102K-T	B	66.5/17.1
C272	4030017460	S.CER C1005 JB 1H 102K-T	T	70.4/15.4
C274	4030016790	S.CER C1005 JB 1E 103K-T	B	61.5/5.9
C275	4030017530	S.CER C1005 CH 1H 0R5B-T [#01]	B	65.5/5.9
	4030017530	S.CER C1005 CH 1H 0R5B-T [#04]		
	4030017530	S.CER C1005 CH 1H 0R5B-T [#05]		
	4030017530	S.CER C1005 CH 1H 0R5B-T [#08]		
	4030017530	S.CER C1005 CH 1H 0R5B-T [#09]		
	4030017530	S.CER C1005 CH 1H 0R5B-T [#12]		
	4030017530	S.CER C1005 CH 1H 0R5B-T [#13]		
C276	4030017590	S.CER C1005 CH 1H 070C-T [#01]	B	68.7/9.8
	4030017400	S.CER C1005 CH 1H 220J-T [#02]		
	4030017400	S.CER C1005 CH 1H 220J-T [#03]		
	4030017590	S.CER C1005 CH 1H 070C-T [#04]		
	4030017590	S.CER C1005 CH 1H 070C-T [#05]		
	4030017400	S.CER C1005 CH 1H 220J-T [#06]		
	4030017400	S.CER C1005 CH 1H 220J-T [#07]		
	4030017590	S.CER C1005 CH 1H 070C-T [#08]		
	4030017590	S.CER C1005 CH 1H 070C-T [#09]		
	4030017400	S.CER C1005 CH 1H 220J-T [#10]		
	4030017400	S.CER C1005 CH 1H 220J-T [#11]		
	4030017590	S.CER C1005 CH 1H 070C-T [#12]		
	4030017590	S.CER C1005 CH 1H 070C-T [#13]		
C277	4030016790	S.CER C1005 JB 1E 103K-T	B	65.0/15.3
C278	4030017580	S.CER C1005 CH 1H 060C-T [#02]	B	63.7/15.8
	4030017580	S.CER C1005 CH 1H 060C-T [#03]		
	4030017580	S.CER C1005 CH 1H 060C-T [#06]		
	4030017580	S.CER C1005 CH 1H 060C-T [#07]		
	4030017580	S.CER C1005 CH 1H 060C-T [#10]		
	4030017580	S.CER C1005 CH 1H 060C-T [#11]		
C279	4030017460	S.CER C1005 JB 1H 102K-T	B	60.3/41.5
C280	4030017580	S.CER C1005 CH 1H 060C-T	B	77.8/14.8
C281	4030017460	S.CER C1005 JB 1H 102K-T	B	84.5/14.0
C282	4030017430	S.CER C1005 CH 1H 101J-T	B	56.4/36.3
C283	4030017460	S.CER C1005 JB 1H 102K-T	B	52.5/37.3
C284	4030021240	S.CER C1005 JB 1C 105K-T	B	63.7/32.8
C285	4030017460	S.CER C1005 JB 1H 102K-T	B	40.7/25.8
C288	4030016790	S.CER C1005 JB 1E 103K-T	B	57.4/39.3
C289	4030017460	S.CER C1005 JB 1H 102K-T	B	64.2/39.1
C290	4030021240	S.CER C1005 JB 1C 105K-T	T	63.8/38.6
C293	4030017570	S.CER C1005 CH 1H 040B-T [#01]	B	66.8/21.7
	4030017570	S.CER C1005 CH 1H 040B-T [#04]		
	4030017570	S.CER C1005 CH 1H 040B-T [#05]		
	4030017570	S.CER C1005 CH 1H 040B-T [#08]		
	4030017570	S.CER C1005 CH 1H 040B-T [#09]		
	4030017570	S.CER C1005 CH 1H 040B-T [#12]		
	4030017570	S.CER C1005 CH 1H 040B-T [#13]		
C294	4030017410	S.CER C1005 CH 1H 240J-T [#01]	B	64.9/17.1
	4030017500	S.CER C1005 CH 1H 560J-T [#02]		
	4030017500	S.CER C1005 CH 1H 560J-T [#03]		
	4030017410	S.CER C1005 CH 1H 240J-T [#04]		
	4030017410	S.CER C1005 CH 1H 240J-T [#05]		
	4030017500	S.CER C1005 CH 1H 560J-T [#06]		
	4030017500	S.CER C1005 CH 1H 560J-T [#07]		
	4030017410	S.CER C1005 CH 1H 240J-T [#08]		
	4030017410	S.CER C1005 CH 1H 240J-T [#09]		
	4030017500	S.CER C1005 CH 1H 560J-T [#10]		
	4030017500	S.CER C1005 CH 1H 560J-T [#11]		
	4030017410	S.CER C1005 CH 1H 240J-T [#12]		
	4030017410	S.CER C1005 CH 1H 240J-T [#13]		

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
C296	4030017460	S.CER C1005 JB 1H 102K-T	[#01]	B	68.9/22.3
	4030017460	S.CER C1005 JB 1H 102K-T	[#04]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#05]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#08]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#09]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#12]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#13]		
C297	4030017460	S.CER C1005 JB 1H 102K-T		B	68.4/20.8
C300	4030017380	S.CER C1005 CH 1H 050B-T		B	77.2/12.5
C301	4030017460	S.CER C1005 JB 1H 102K-T		B	75.9/30.9
C303	4030017390	S.CER C1005 CH 1H 180J-T		B	79.9/38.0
C305	4030017460	S.CER C1005 JB 1H 102K-T		B	63.7/34.6
C306	4030017510	S.CER C1005 CH 1H 680J-T		B	67.1/34.7
C307	4030021240	S.CER C1005 JB 1C 105K-T		B	65.9/33.3
C308	4030017420	S.CER C1005 CH 1H 470J-T		B	73.8/31.2
C309	4030017460	S.CER C1005 JB 1H 102K-T		T	76.7/34.4
C310	4030017460	S.CER C1005 JB 1H 102K-T		B	78.7/30.7
C311	4030009650	S.CER C1608 CH 1H 240J-T	[#01]	B	77.8/36.4
	4030007100	S.CER C1608 CH 1H 560J-T	[#02]		
	4030007100	S.CER C1608 CH 1H 560J-T	[#03]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#04]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#05]		
	4030007100	S.CER C1608 CH 1H 560J-T	[#06]		
	4030007100	S.CER C1608 CH 1H 560J-T	[#07]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#08]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#09]		
	4030007100	S.CER C1608 CH 1H 560J-T	[#10]		
	4030007100	S.CER C1608 CH 1H 560J-T	[#11]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#12]		
	4030009650	S.CER C1608 CH 1H 240J-T	[#13]		
C313	4030017640	S.CER C1005 CH 1H 150J-T		B	66.8/33.5
C314	4030017460	S.CER C1005 JB 1H 102K-T		B	67.5/37.5
C315	4030017460	S.CER C1005 JB 1H 102K-T		B	83.2/27.0
C316	4030017460	S.CER C1005 JB 1H 102K-T		T	91.9/32.2
C317	4030017460	S.CER C1005 JB 1H 102K-T		T	87.8/36.8
C318	4030016790	S.CER C1005 JB 1E 103K-T		T	85.3/38.0
C319	4030017460	S.CER C1005 JB 1H 102K-T		B	86.8/13.1
C320	4030017460	S.CER C1005 JB 1H 102K-T		T	87.5/10.9
C321	4030017460	S.CER C1005 JB 1H 102K-T	[#01]	B	78.3/11.4
	4030017460	S.CER C1005 JB 1H 102K-T	[#04]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#05]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#08]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#09]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#12]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#13]		
C323	4030017550	S.CER C1005 CH 1H 1R5B-T		B	81.9/13.6
C324	4030016930	S.CER C1005 JB 1A 104K-T		B	84.2/10.2
C325	4030017460	S.CER C1005 JB 1H 102K-T		B	84.6/11.5
C326	4030017570	S.CER C1005 CH 1H 040B-T		B	84.0/12.7
C328	4030007080	S.CER C1608 CH 1H 390J-T	[#01]	B	79.0/36.4
	4030007080	S.CER C1608 CH 1H 390J-T	[#04]		
	4030007080	S.CER C1608 CH 1H 390J-T	[#05]		
	4030007080	S.CER C1608 CH 1H 390J-T	[#08]		
	4030007080	S.CER C1608 CH 1H 390J-T	[#09]		
	4030007080	S.CER C1608 CH 1H 390J-T	[#12]		
	4030007080	S.CER C1608 CH 1H 390J-T	[#13]		
C330	4030017400	S.CER C1005 CH 1H 220J-T		B	83.8/38.2
C331	4030017460	S.CER C1005 JB 1H 102K-T		B	80.0/33.9
C332	4030017460	S.CER C1005 JB 1H 102K-T		B	85.0/37.8
C333	4030017640	S.CER C1005 CH 1H 150J-T		B	86.2/38.1
C334	4030018890	S.CER C1005 JB 0J 224K-T		T	88.7/35.1
C335	4030017460	S.CER C1005 JB 1H 102K-T		T	88.7/30.6
C336	4030017460	S.CER C1005 JB 1H 102K-T		T	84.4/31.5
C337	4030017460	S.CER C1005 JB 1H 102K-T		T	89.6/30.1
C338	4030016930	S.CER C1005 JB 1A 104K-T	[#02]	B	85.4/18.0
	4030016930	S.CER C1005 JB 1A 104K-T	[#03]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#06]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#07]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#10]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#11]		
C339	4030017460	S.CER C1005 JB 1H 102K-T		B	86.7/18.4
C341	4030017460	S.CER C1005 JB 1H 102K-T		B	82.8/15.4
C343	4030017370	S.CER C1005 CH 1H 3R5B-T		B	84.8/19.5
C344	4030017430	S.CER C1005 CH 1H 101J-T		B	82.9/23.3
C345	4030017370	S.CER C1005 CH 1H 3R5B-T		B	84.1/22.7
C346	4030017550	S.CER C1005 CH 1H 1R5B-T		B	85.7/22.7
C347	4030017620	S.CER C1005 CH 1H 100C-T	[#01]	B	92.0/36.0
	4030017600	S.CER C1005 CH 1H 080C-T	[#02]		
	4030017600	S.CER C1005 CH 1H 080C-T	[#03]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#04]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#05]		
	4030017600	S.CER C1005 CH 1H 080C-T	[#06]		
	4030017600	S.CER C1005 CH 1H 080C-T	[#07]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#08]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#09]		
	4030017600	S.CER C1005 CH 1H 080C-T	[#10]		
	4030017600	S.CER C1005 CH 1H 080C-T	[#11]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#12]		
	4030017620	S.CER C1005 CH 1H 100C-T	[#13]		
C348	4030017550	S.CER C1005 CH 1H 1R5B-T		B	87.8/35.1
C349	4030017570	S.CER C1005 CH 1H 040B-T		B	88.8/30.6
C350	4030017650	S.CER C1005 CH 1H 270J-T		B	85.3/32.6
C352	4030017410	S.CER C1005 CH 1H 240J-T		B	92.4/31.9
C353	4030017530	S.CER C1005 CH 1H 0R5B-T		B	79.7/32.7
C354	4030017460	S.CER C1005 JB 1H 102K-T		T	87.8/30.6
C355	4030017530	S.CER C1005 CH 1H 0R5B-T		B	81.1/32.8
C356	4030017460	S.CER C1005 JB 1H 102K-T		T	86.8/30.6
C357	4030017460	S.CER C1005 JB 1H 102K-T	[#02]	B	94.1/16.2
	4030017460	S.CER C1005 JB 1H 102K-T	[#03]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#06]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#07]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#10]		
	4030017460	S.CER C1005 JB 1H 102K-T	[#11]		
C360	4030017430	S.CER C1005 CH 1H 101J-T		B	89.2/22.7
C361	4030017460	S.CER C1005 JB 1H 102K-T		B	81.2/24.5

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
C362	4030017580	S.CER C1005 CH 1H 060C-T		B	85.4/26.0
C363	4030017580	S.CER C1005 CH 1H 060C-T		B	86.6/26.6
C364	4030017460	S.CER C1005 JB 1H 102K-T		B	84.5/27.1
C365	4030017640	S.CER C1005 CH 1H 150J-T		B	87.3/28.8
C366	4030017460	S.CER C1005 JB 1H 102K-T		B	90.2/24.9
C369	4030018120	S.CER C1005 CH 1H 110J-T		B	85.3/28.8
C374	4030017460	S.CER C1005 JB 1H 102K-T		T	101.2/9.5
C375	4030020000	S.CER C1005 JB 1A 105K-T		T	99.5/25.5
C377	4030016930	S.CER C1005 JB 1A 104K-T		B	5.1/24.7
C378	4030020450	S.CER C1005 JB 0J 475M-T	[#05]	T	52.2/14.7
	4030020450	S.CER C1005 JB 0J 475M-T	[#06]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#07]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#08]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#09]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#10]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#11]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#12]		
	4030020450	S.CER C1005 JB 0J 475M-T	[#13]		
C379	4030018860	S.CER C1005 JB 0J 105K-T		B	8.5/32.3
C380	4030016930	S.CER C1005 JB 1A 104K-T		T	98.6/15.3
C381	4030017420	S.CER C1005 CH 1H 470J-T		T	28.4/38.1
C382	4030017460	S.CER C1005 JB 1H 102K-T		B	16.9/4.7
C383	4030017460	S.CER C1005 JB 1H 102K-T		B	17.9/4.7
C384	4030016930	S.CER C1005 JB 1A 104K-T		T	84.9/26.0
C385	4030016930	S.CER C1005 JB 1A 104K-T		T	88.9/27.5
C386	4030020000	S.CER C1005 JB 1A 105K-T		B	15.1/30.0
C388	4030017420	S.CER C1005 CH 1H 470J-T		B	13.8/36.0
C389	4030016930	S.CER C1005 JB 1A 104K-T	[#05]	T	57.1/13.1
	4030016930	S.CER C1005 JB 1A 104K-T	[#06]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#07]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#08]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#09]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#10]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#11]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#12]		
	4030016930	S.CER C1005 JB 1A 104K-T	[#13]		
C390	4030017430	S.CER C1005 CH 1H 101J-T		B	17.2/41.4
C391	4030017760	S.CER C1005 JB 1H 222K-T		T	71.1/17.5
C392	4030017460	S.CER C1005 JB 1H 102K-T		B	17.2/26.5
C393	4030017460	S.CER C1005 JB 1H 102K-T		B	39.1/41.0
C394	4030017460	S.CER C1005 JB 1H 102K-T		B	12.4/38.9
C395	4030017460	S.CER C1005 JB 1H 102K-T		B	11.3/24.2
C396	4030017460	S.CER C1005 JB 1H 102K-T		B	36.4/41.7
C397	4030017460	S.CER C1005 JB 1H 102K-T		B	33.5/41.8
C398	4030017460	S.CER C1005 JB 1H 102K-T		B	14.7/26.6
C399	4030017460	S.CER C1005 JB 1H 102K-T		B	16.5/33.3
C400	4030017460	S.CER C1005 JB 1H 102K-T		B	15.9/29.1
C403	4030017340	S.CER C1005 CH 1H 010B-T		B	92.3/34.8
C405	4030017750	S.CER C1005 JB 1H 122K-T		B	56.1/16.4
C407	4030017460	S.CER C1005 JB 1H 102K-T		T	53.2/29.9
C408	4030017420	S.CER C1005 CH 1H 470J-T		B	60.1/32.0
C409	4030017460	S.CER C1005 JB 1H 102K-T		B	42.6/19.1
C410	4030017460	S.CER C1005 JB 1H 102K-T		B	37.4/39.3
C411	4030017460	S.CER C1005 JB 1H 102K-T		B	70.4/26.8
C412	4030017460	S.CER C1005 JB 1H 102K-T		T	73.3/29.0
C413	4030017460	S.CER C1005 JB 1H 102K-T		B	15.9/28.1
C414	4030017460	S.CER C1005 JB 1H 102K-T		B	62.8/17.7
C415	4030019490	S.CER C2012 JB 1A 106K-T		B	21.6/29.4
C417	4030017460	S.CER C1005 JB 1H 102K-T		T	79.1/28.9
C418	4030017460	S.CER C1005 JB 1H 102K-T		B	65.7/42.8
C419	4030016930	S.CER C1005 JB 1A 104K-T		T	79.0/24.6
C420	4030016790	S.CER C1005 JB 1E 103K-T		T	83.3/26.3
C421	4030017730	S.CER C1005 JB 1H 471K-T		B	45.7/29.0
C422	4030017460	S.CER C1005 JB 1H 102K-T		T	30.2/38.1
C423	4030017460	S.CER C1005 JB 1H 102K-T		T	88.5/29.0
C424	4030017460	S.CER C1005 JB 1H 102K-T		T	89.8/28.7
C425	4030017490	S.CER C1608 JB 1A 105K-T		T	89.8/36.5
C432	4030018860	S.CER C1005 JB 0J 105K-T		B	10.4/31.3
C433	4030016930	S.CER C1005 JB 1A 104K-T		B	12.1/36.0
C434	4030016930	S.CER C1005 JB 1A 104K-T		T	79.7/34.4
C436	4030017460	S.CER C1005 JB 1H 102K-T		B	44.3/39.9
C437	4030017420	S.CER C1005 CH 1H 470J-T		T	65.4/16.5
C438	4030016930	S.CER C1005 JB 1A 104K-T		T	65.6/13.2
C440	4030020000	S.CER C1005 JB 1A 105K-T		T	99.2/26.4
C441	4030017570	S.CER C1005 CH 1H 040B-T	[#02]	B	47.7/25.5
	4030017570	S.CER C1005 CH 1H 040B-T	[#03]		
	4030017570	S.CER C1005 CH 1H 040B-T	[#06]		
	4030017570	S.CER C1005 CH 1H 040B-T	[#07]		
	4030017570	S.CER C1005 CH 1H 040B-T	[#10]		
	4030017570	S.CER C1005 CH 1H 040B-T	[#11]		
J1	6450000131	CON HSJ1102-018540			
J2	6510025880	CON TC38-108-01 <CFE>			
J3	6510021901	S.CON BM02B-ASRS-TF(LF)(SN)		T	82.5/16.1
F1	5210001160	S.FUS ERBRE3R00V		T	76.3/22.8
DS1	5040002670	S.LED CL-165HR/YG-D-T		T	101.0/29.2
DS2	5030003821	LCD EL00624TS9 <SKD>	[#05]		
	5030003821	LCD EL00624TS9 <SKD>	[#06]		
	5030003821	LCD EL00624TS9 <SKD>	[#07]		
	5030003821	LCD EL00624TS9 <SKD>	[#08]		
	5030003821	LCD EL00624TS9 <SKD>	[#09]		
	5030003821	LCD EL00624TS9 <SKD>	[#10]		
	5030003821	LCD EL00624TS9 <SKD>	[#11]		
	5030003821	LCD EL00624TS9 <SKD>	[#12]		
	5030003821	LCD EL00624TS9 <SKD>	[#13]		

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
DS3	5040003800	S.LED KA-2810ACGSK <TM>	[#05]	T	54.3/5.5
	5040003800	S.LED KA-2810ACGSK <TM>	[#06]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#07]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#08]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#09]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#10]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#11]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#12]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#13]		
DS4	5040003800	S.LED KA-2810ACGSK <TM>	[#05]	T	54.3/39.9
	5040003800	S.LED KA-2810ACGSK <TM>	[#06]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#07]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#08]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#09]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#10]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#11]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#12]		
	5040003800	S.LED KA-2810ACGSK <TM>	[#13]		
DS5	5040002420	S.LED SML-310MT T86	[#05]	T	38.3/13.6
	5040002420	S.LED SML-310MT T86	[#06]		
	5040002420	S.LED SML-310MT T86	[#07]		
	5040002420	S.LED SML-310MT T86	[#08]		
	5040002420	S.LED SML-310MT T86	[#09]		
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
DS6	5040002420	S.LED SML-310MT T86	[#05]	T	38.3/31.8
	5040002420	S.LED SML-310MT T86	[#06]		
	5040002420	S.LED SML-310MT T86	[#07]		
	5040002420	S.LED SML-310MT T86	[#08]		
	5040002420	S.LED SML-310MT T86	[#09]		
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
DS7	5040002420	S.LED SML-310MT T86	[#09]	T	25.3/16.7
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
DS8	5040002420	S.LED SML-310MT T86	[#09]	T	25.3/28.7
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
DS9	5040002420	S.LED SML-310MT T86	[#09]	T	10.5/28.7
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
DS10	5040002420	S.LED SML-310MT T86	[#09]	T	10.5/16.7
	5040002420	S.LED SML-310MT T86	[#10]		
	5040002420	S.LED SML-310MT T86	[#11]		
	5040002420	S.LED SML-310MT T86	[#12]		
	5040002420	S.LED SML-310MT T86	[#13]		
MC1	7700002970	MIC EM6027P-30BC33-G <HOR>			
S1	2260001900	SWI SW-149 (SKHLLD)			
S2	2260003490	S.SWI TAFG-12W-QR <DIP>		T	61.7/42.9
S3	2260003490	S.SWI TAFG-12W-QR <DIP>		T	52.2/42.9
S4	2250000900	ENC ED08D13OFT176S065A-1010 <EVT>			
S5	2230001060	S.SWI EVQ-PUL 02K		T	101.4/13.7
S6	2260003300	S.SWI EVQPQHB55	[#09]	T	29.3/34.8
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S7	2260003300	S.SWI EVQPQHB55	[#09]	T	29.0/22.7
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S8	2260003300	S.SWI EVQPQHB55	[#09]	T	29.3/10.6
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S9	2260003300	S.SWI EVQPQHB55	[#05]	T	38.6/36.4
	2260003300	S.SWI EVQPQHB55	[#06]		
	2260003300	S.SWI EVQPQHB55	[#07]		
	2260003300	S.SWI EVQPQHB55	[#08]		
	2260003300	S.SWI EVQPQHB55	[#09]		
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S10	2260003300	S.SWI EVQPQHB55	[#09]	T	21.9/34.8
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S11	2260003300	S.SWI EVQPQHB55	[#09]	T	21.6/22.7
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
S12	2260003300	S.SWI EVQPQHB55	[#09]	T	21.9/10.7
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S13	2260003300	S.SWI EVQPQHB55	[#05]	T	38.3/27.3
	2260003300	S.SWI EVQPQHB55	[#06]		
	2260003300	S.SWI EVQPQHB55	[#07]		
	2260003300	S.SWI EVQPQHB55	[#08]		
	2260003300	S.SWI EVQPQHB55	[#09]		
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S14	2260003300	S.SWI EVQPQHB55	[#09]	T	14.5/34.6
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S15	2260003300	S.SWI EVQPQHB55	[#09]	T	14.2/22.7
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S16	2260003300	S.SWI EVQPQHB55	[#09]	T	14.5/10.8
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S17	2260003300	S.SWI EVQPQHB55	[#05]	T	38.3/18.2
	2260003300	S.SWI EVQPQHB55	[#06]		
	2260003300	S.SWI EVQPQHB55	[#07]		
	2260003300	S.SWI EVQPQHB55	[#08]		
	2260003300	S.SWI EVQPQHB55	[#09]		
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S18	2260003300	S.SWI EVQPQHB55	[#09]	T	7.1/34.4
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S19	2260003300	S.SWI EVQPQHB55	[#09]	T	6.8/22.7
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S20	2260003300	S.SWI EVQPQHB55	[#09]	T	7.1/11.0
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
S21	2260003300	S.SWI EVQPQHB55	[#05]	T	38.6/9.1
	2260003300	S.SWI EVQPQHB55	[#06]		
	2260003300	S.SWI EVQPQHB55	[#07]		
	2260003300	S.SWI EVQPQHB55	[#08]		
	2260003300	S.SWI EVQPQHB55	[#09]		
	2260003300	S.SWI EVQPQHB55	[#10]		
	2260003300	S.SWI EVQPQHB55	[#11]		
	2260003300	S.SWI EVQPQHB55	[#12]		
	2260003300	S.SWI EVQPQHB55	[#13]		
EP1	6910018460	S.BEA MMZ1005Y102C-T		B	81.7/4.5
EP2	6910018460	S.BEA MMZ1005Y102C-T		T	69.4/17.2
EP3	6910018460	S.BEA MMZ1005Y102C-T		T	68.9/15.9
EP4	6910018460	S.BEA MMZ1005Y102C-T		B	46.8/19.3
EP5	6910018460	S.BEA MMZ1005Y102C-T		B	21.1/31.5
EP6	6910018460	S.BEA MMZ1005Y102C-T		B	63.7/33.7
EP7	6910018460	S.BEA MMZ1005Y102C-T		B	33.8/19.5
EP10	6910014690	S.BEA MPZ1608S221A-T		B	75.7/32.0
EP11	6910024510	E.O 3621 CONTACT SPRING			
EP13	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#05]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#06]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#07]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#08]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#09]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#10]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#11]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#12]		
	8930063020	LCD SRCN-2721-SP-N-W (SHJ)	[#13]		
EP15	6910021240	S.BEA MMZ1005A152ET		B	25.4/29.8
EP16	6910021240	S.BEA MMZ1005A152ET		B	25.2/30.7
EP17	6910021240	S.BEA MMZ1005A152ET		B	34.3/33.0
EP18	6910014730	S.BEA MPZ2012S331A-T		T	74.3/24.3
EP19	6910014730	S.BEA MPZ2012S331A-T		T	78.9/19.8
EP20	6910018460	S.BEA MMZ1005Y102C-T		B	87.2/5.7
EP21	6910019900	S.BEA MPZ1608S601AT		T	75.7/12.9
EP22	6910019900	S.BEA MPZ1608S601AT		B	74.0/7.2
EP23	6910018460	S.BEA MMZ1005Y102C-T		B	75.8/7.0

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

SECTION 7 MECHANICAL PARTS

[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION		QTY.
J1	6910021491	ANT CONNECTOR 106-1 <SSC>		1
MP1	8010023300	3620 CHASSIS		1
MP2	8210029770	3621 FRONT PANEL ASSEMBLY	[#01]	1
	8210029770	3621 FRONT PANEL ASSEMBLY	[#02]	1
	8210029771	3621 FRONT PANEL ASSEMBLY-1	[#03]	1
	8210029770	3621 FRONT PANEL ASSEMBLY	[#04]	1
	8210029791	3621 S-FRONT PANEL ASSEMBLY-1	[#05]	1
	8210029791	3621 S-FRONT PANEL ASSEMBLY-1	[#06]	1
	8210029791	3621 S-FRONT PANEL ASSEMBLY-1	[#07]	1
	8210029791	3621 S-FRONT PANEL ASSEMBLY-1	[#08]	1
	8210029781	3621 T-FRONT PANEL ASSEMBLY-1	[#09]	1
	8210029781	3621 T-FRONT PANEL ASSEMBLY-1	[#10]	1
	8210029781	3621 T-FRONT PANEL ASSEMBLY-1	[#11]	1
	8210029781	3621 T-FRONT PANEL ASSEMBLY-1	[#12]	1
	8210029781	3621 T-FRONT PANEL ASSEMBLY-1	[#13]	1
MP6	8930089290	3621 SIDE PLATE Y1318		1
MP7	8930089240	3621 SIDE SEAL (TOP)		1
MP11	8930089300	3621 TOP PLATE		1
MP12	8930089281	3621 MIC SEAL-1 (TOP)		1
MP15	8930088670	3521 VENT SHEET		1
MP16	8930084870	3384 REAR SHEET		1
MP19	8830003440	3285 ANT NUT		1
MP22	8930089260	3621 MAIN SEAL (TOP)		1
MP24	8610014711	KNOB N-421-1		1
MP25	8610014720	KNOB N-422		1
MP26	8930089270	3621 CONTACT RUBBER (TOP)		1
MP30	8930090130	3621 SPONGE		1
MP34	8830001701	VR NUT (Q)-1		2
MP35	8850003420	SEALING WASHER (AA) (TOT)		1
MP39	8930085330	O-RING (CQ) (TOP)		1
MP40	8810010850	PHBT B0 M2X8 SUS SSBC		2
MP41	8810008971	BT M2 X3.5 NI-ZC3		9
MP43	8810007391	PH M2 X 6 SUS SSBC		2
MP44	8810009511	PHBT M2 X 4 NI-ZC3 (3.6-4.0)		1
MP45	8810008761	PHBT M2 X 8 NI-ZC3		2
MP49	8210029630	3621 JACK PANEL		1
MP51	8930090110	THERMAL SHEET (CJ) TC-150CAT-20 (6X6)		1

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		QTY.
J1	6450000131	HSJ1102-018540		1
J2	6510025880	TC38-108-01 <CFE>		1
J3*	6510021901	BM02B-ASRS-TF (LF) (SN)		1
F1*	5210001160	ERBRE3R00V		1
DS2	5030003821	EL00624TS9 <SKD>	[#05]	1
	5030003821	EL00624TS9 <SKD>	[#06]	1
	5030003821	EL00624TS9 <SKD>	[#07]	1
	5030003821	EL00624TS9 <SKD>	[#08]	1
	5030003821	EL00624TS9 <SKD>	[#09]	1
	5030003821	EL00624TS9 <SKD>	[#10]	1
	5030003821	EL00624TS9 <SKD>	[#11]	1
	5030003821	EL00624TS9 <SKD>	[#12]	1
	5030003821	EL00624TS9 <SKD>	[#13]	1
MC1	7700002970	EM6027P-30BC33-G <HOR>		1
S1	2260001900	SW-149 (SKHLLD)		1
S2*	2260003490	TAFG-12W-QR <DIP>		1
S3*	2260003490	TAFG-12W-QR <DIP>		1
S4	2250000900	ED08D13OFT176S065A-1010 <EVT>		1
S5*	2230001060	EVQ-PUL 02K		1
S6*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S7*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S8*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S9*	2260003300	EVQPQHB55	[#05]	1
	2260003300	EVQPQHB55	[#06]	1
	2260003300	EVQPQHB55	[#07]	1
	2260003300	EVQPQHB55	[#08]	1
	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S10*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S11*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S12*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S13*	2260003300	EVQPQHB55	[#05]	1
	2260003300	EVQPQHB55	[#06]	1
	2260003300	EVQPQHB55	[#07]	1
	2260003300	EVQPQHB55	[#08]	1
	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S14*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S15*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S16*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1

*: Refer to "**BOARD LAYOUTS**" for the location.

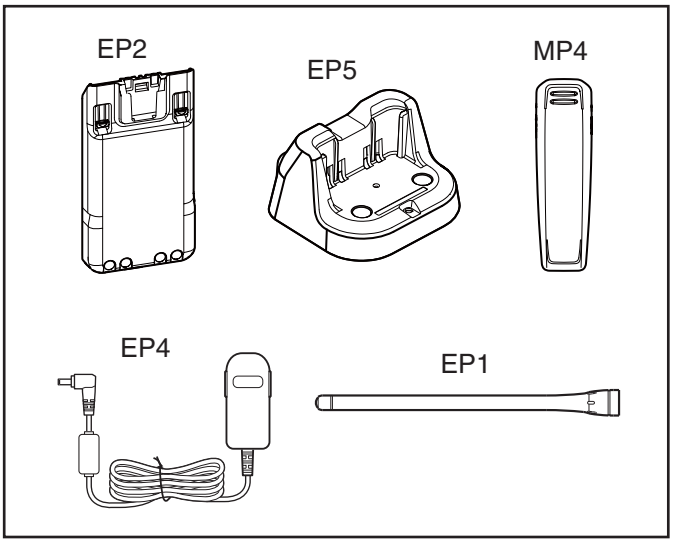
Screw abbreviations A, B0, BT: Self-tapping PH: Pan head ZK: Black NI-ZU: Nickel-Zinc SUS: Stainless

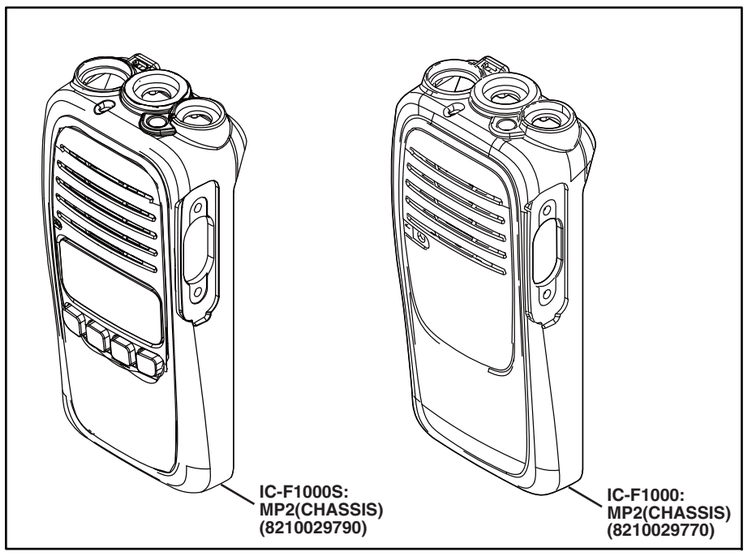
[MAIN UNIT]

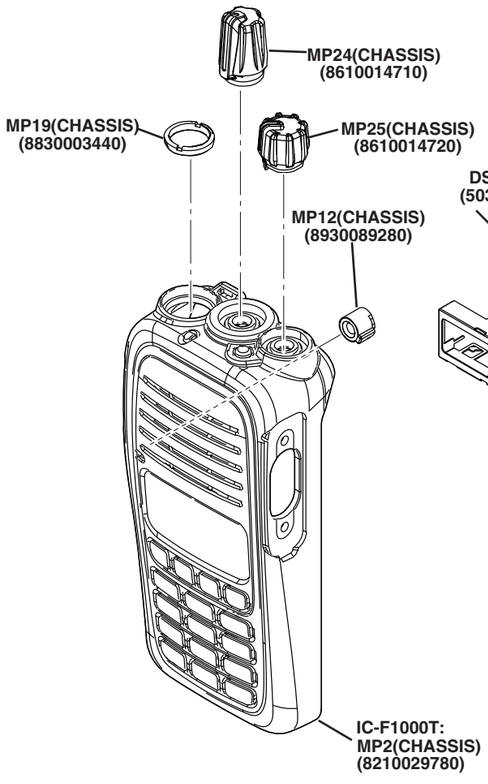
REF NO.	ORDER NO.	DESCRIPTION		QTY.
S17*	2260003300	EVQPQHB55	[#05]	1
	2260003300	EVQPQHB55	[#06]	1
	2260003300	EVQPQHB55	[#07]	1
	2260003300	EVQPQHB55	[#08]	1
	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S18*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S19*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S20*	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
S21*	2260003300	EVQPQHB55	[#05]	1
	2260003300	EVQPQHB55	[#06]	1
	2260003300	EVQPQHB55	[#07]	1
	2260003300	EVQPQHB55	[#08]	1
	2260003300	EVQPQHB55	[#09]	1
	2260003300	EVQPQHB55	[#10]	1
	2260003300	EVQPQHB55	[#11]	1
	2260003300	EVQPQHB55	[#12]	1
	2260003300	EVQPQHB55	[#13]	1
EP11	6910024510	3621 CONTACT SPRING		1
EP13	8930063020	SRCN-2721-SP-N-W (SHJ)	[#05]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#06]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#07]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#08]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#09]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#10]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#11]	2
	8930063020	SRCN-2721-SP-N-W (SHJ)	[#12]	2
MP2*	6910014760	OG-503040		1
MP3*	8510021150	3621 VCO CASE Y1314		1
MP5*	8410002790	3621 PA HEATSINK		1
MP6	8510021160	3621 VCO COVER Y1315		1
MP7	8930069481	2927 LCD HOLDER-1 Y854A	[#05]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#06]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#07]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#08]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#09]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#10]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#11]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#12]	1
	8930069481	2927 LCD HOLDER-1 Y854A	[#13]	1
MP8	8210020571	2721 REFLECTOR-1	[#05]	1
	8210020571	2721 REFLECTOR-1	[#06]	1
	8210020571	2721 REFLECTOR-1	[#07]	1
	8210020571	2721 REFLECTOR-1	[#08]	1
	8210020571	2721 REFLECTOR-1	[#09]	1
	8210020571	2721 REFLECTOR-1	[#10]	1
	8210020571	2721 REFLECTOR-1	[#11]	1
	8210020571	2721 REFLECTOR-1	[#12]	1
	8210020571	2721 REFLECTOR-1	[#13]	1
MP9	8930070080	WHITE SHEET (V)	[#05]	1
	8930070080	WHITE SHEET (V)	[#06]	1
	8930070080	WHITE SHEET (V)	[#07]	1
	8930070080	WHITE SHEET (V)	[#08]	1
	8930070080	WHITE SHEET (V)	[#09]	1
	8930070080	WHITE SHEET (V)	[#10]	1
	8930070080	WHITE SHEET (V)	[#11]	1
	8930070080	WHITE SHEET (V)	[#12]	1
	8930070080	WHITE SHEET (V)	[#13]	1

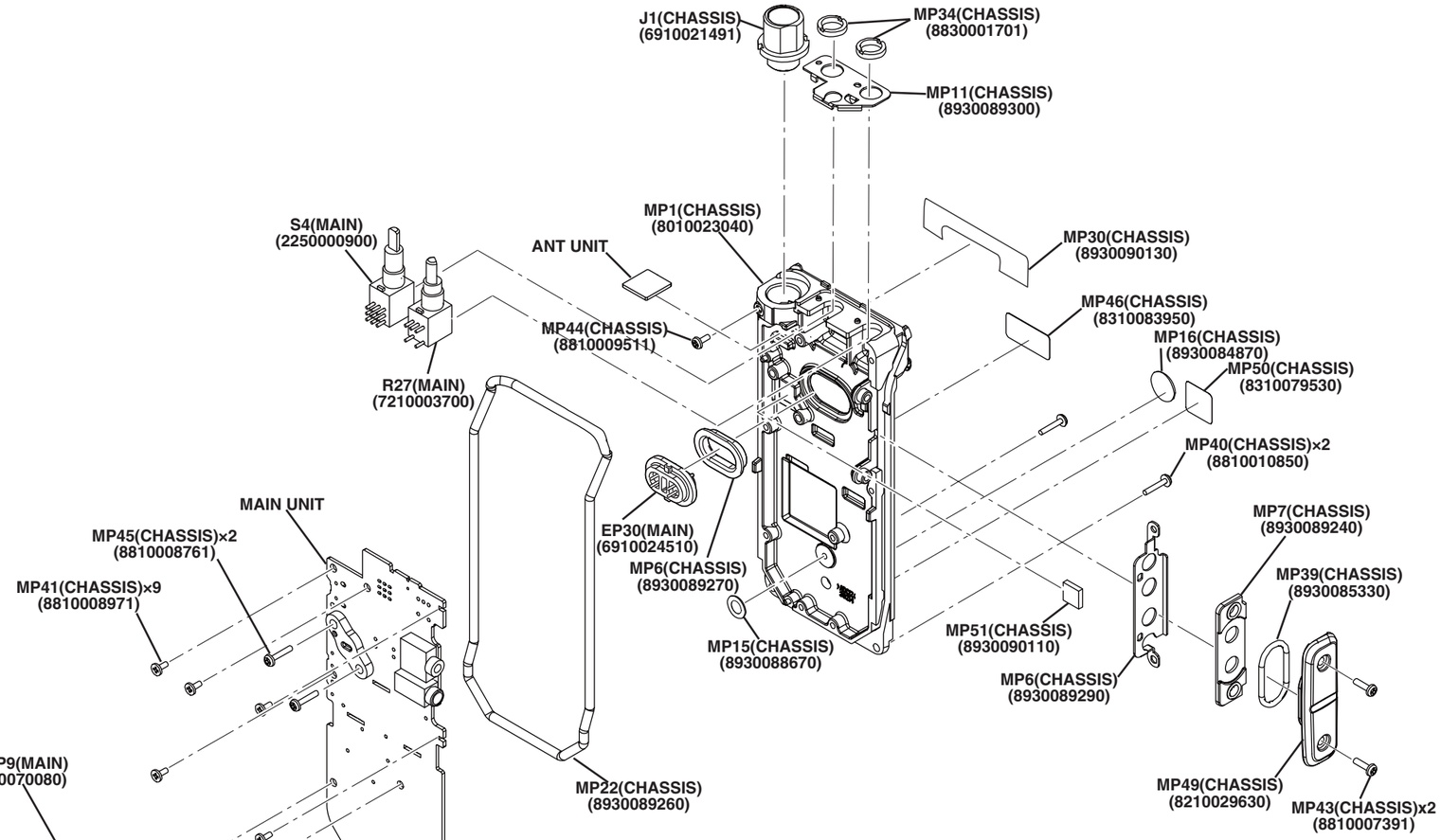
[ACCESSORIES]

REF NO.	ORDER NO.	DESCRIPTION		QTY.
EP1	(Optional)	FA-SC55V		1
EP2	(Optional)	BP-279		1
EP4	(Optional)	BC-123SA	[#01]	1
	(Optional)	BC-123SE	[#02]	1
	(Optional)	BC-123SUK	[#03]	1
	(Optional)	BC-123SA	[#04]	1
	(Optional)	BC-123SA	[#05]	1
	(Optional)	BC-123SE	[#06]	1
	(Optional)	BC-123SUK	[#07]	1
	(Optional)	BC-123SA	[#08]	1
	(Optional)	BC-123SA	[#09]	1
	(Optional)	BC-123SE	[#10]	1
	(Optional)	BC-123SUK	[#11]	1
	(Optional)	BC-123SA	[#12]	1
	(Optional)	BC-123SE	[#13]	1
EP5	(Optional)	BC-213		1
MP4	(Optional)	MB-133		1





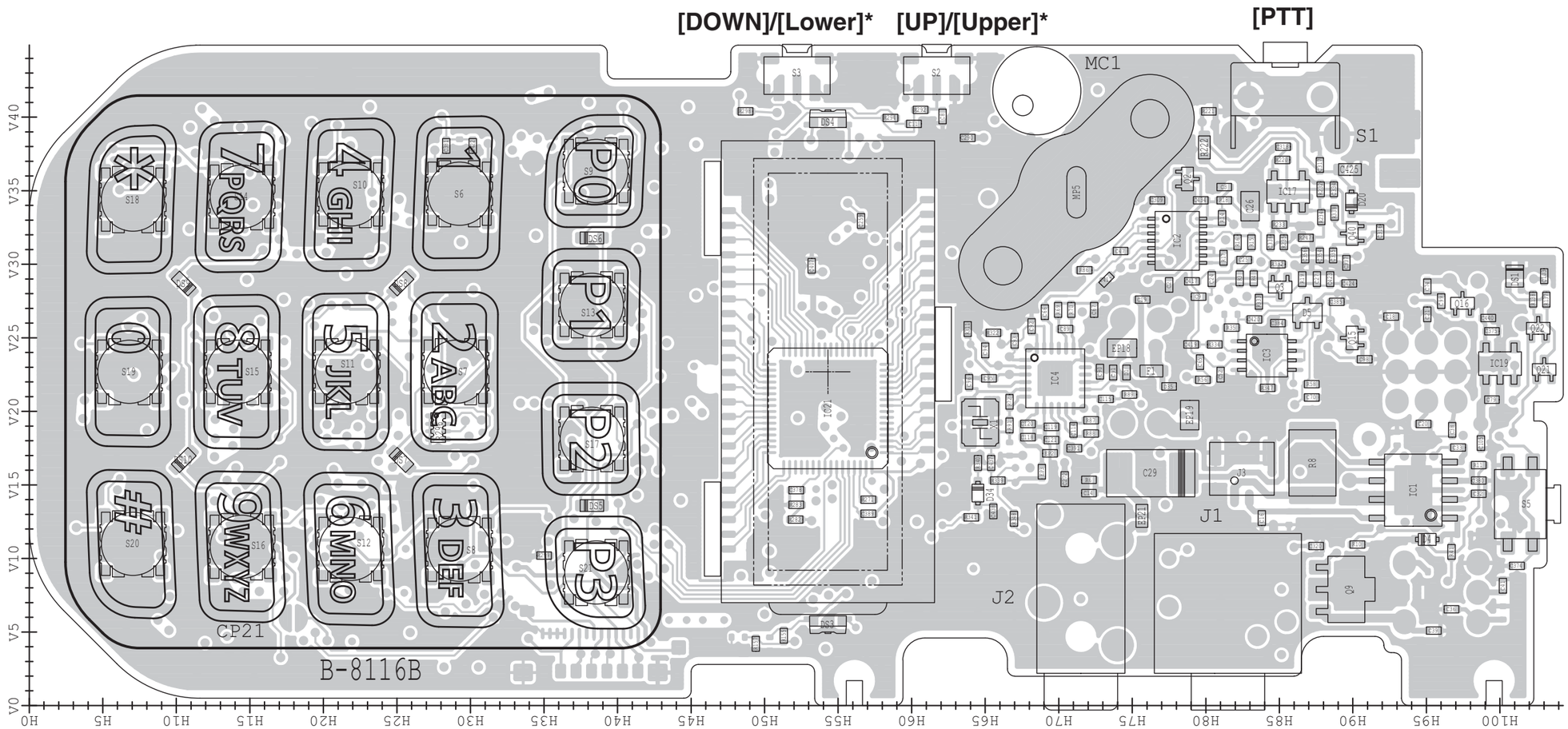




Legend:
Ref. No. Unit Name
MP1 (CHASSIS)
(1234567890)
Parts No.

The actual configuration of the PC board can be seen by viewing the top and bottom BOARD LAYOUT pages together.

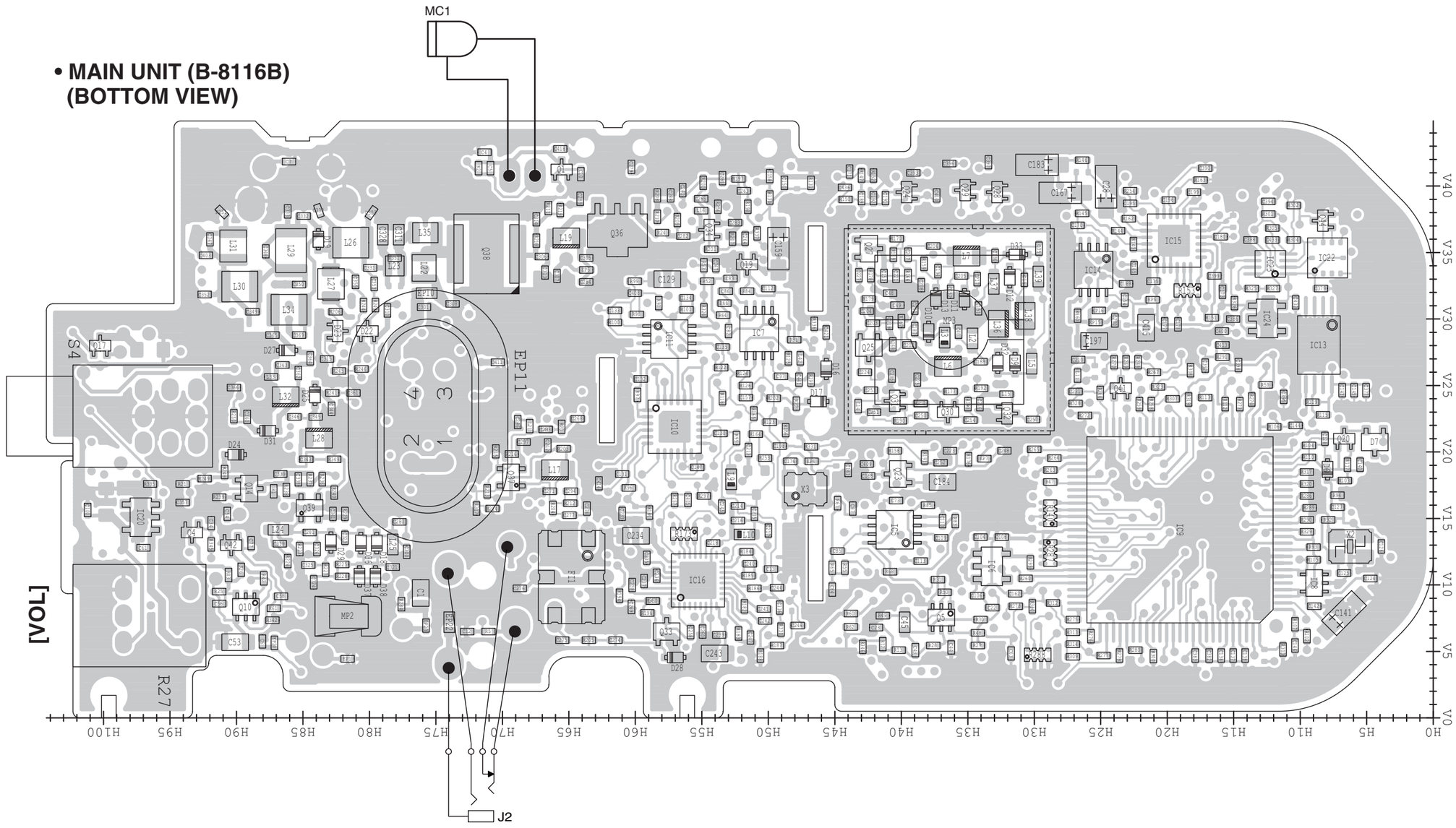
• MAIN UNIT (B-8116B) (TOP VIEW)



* Depending on the transceiver version.

The actual configuration of the PC board can be seen by viewing the top and bottom BOARD LAYOUT pages together.

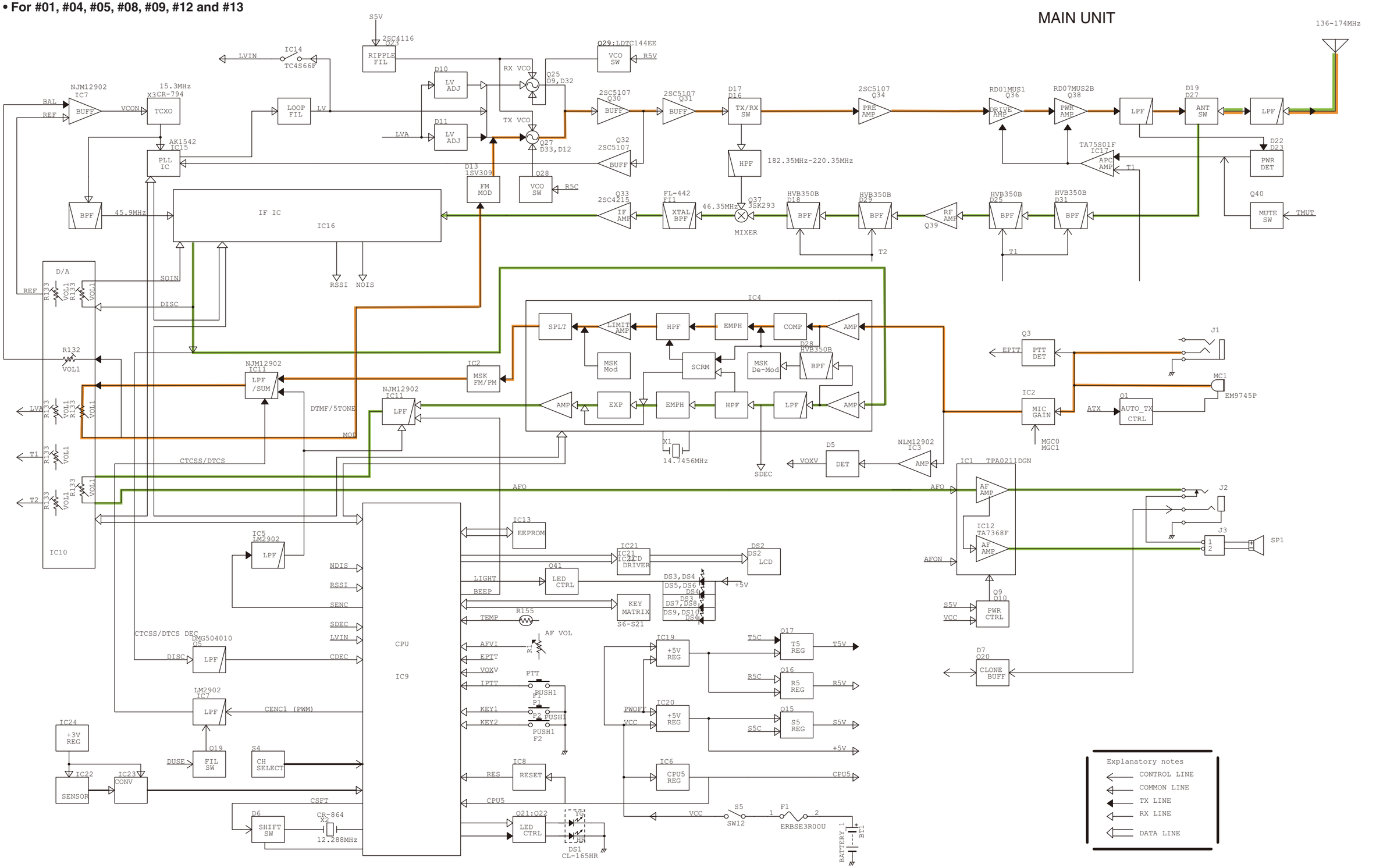
• MAIN UNIT (B-8116B) (BOTTOM VIEW)



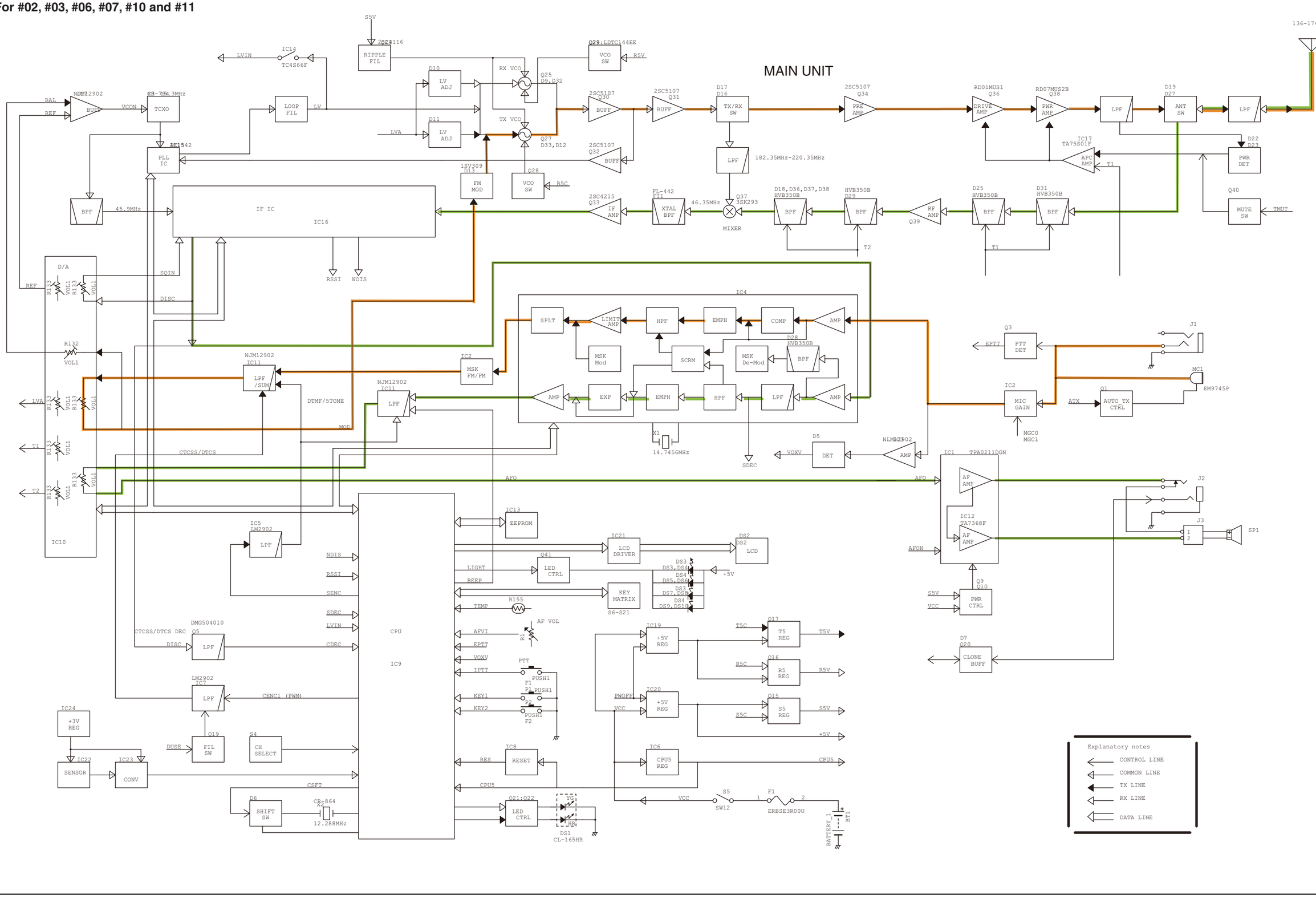
SECTION 9 BLOCK DIAGRAM

• For #01, #04, #05, #08, #09, #12 and #13

MAIN UNIT

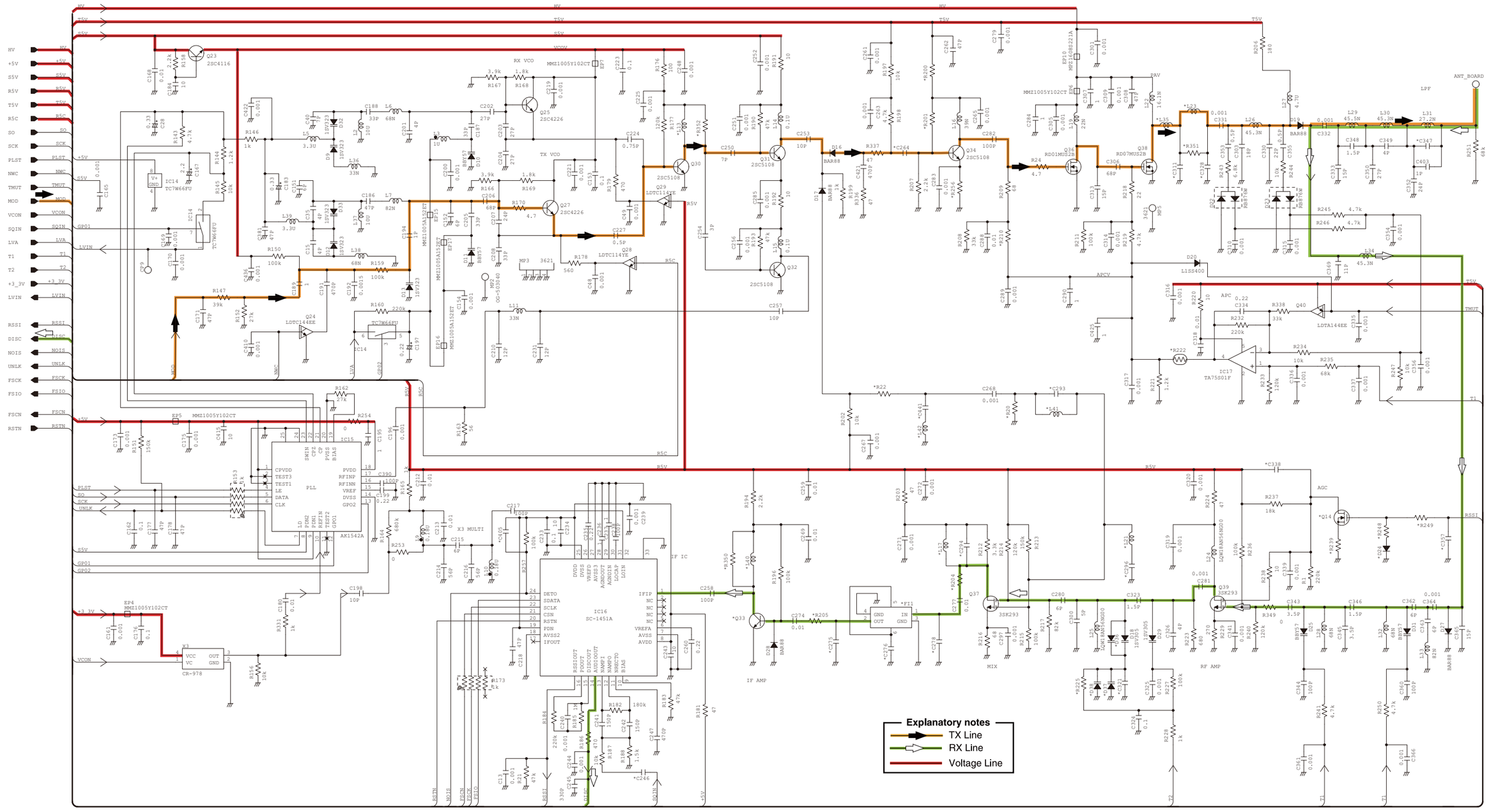


• For #02, #03, #06, #07, #10 and #11



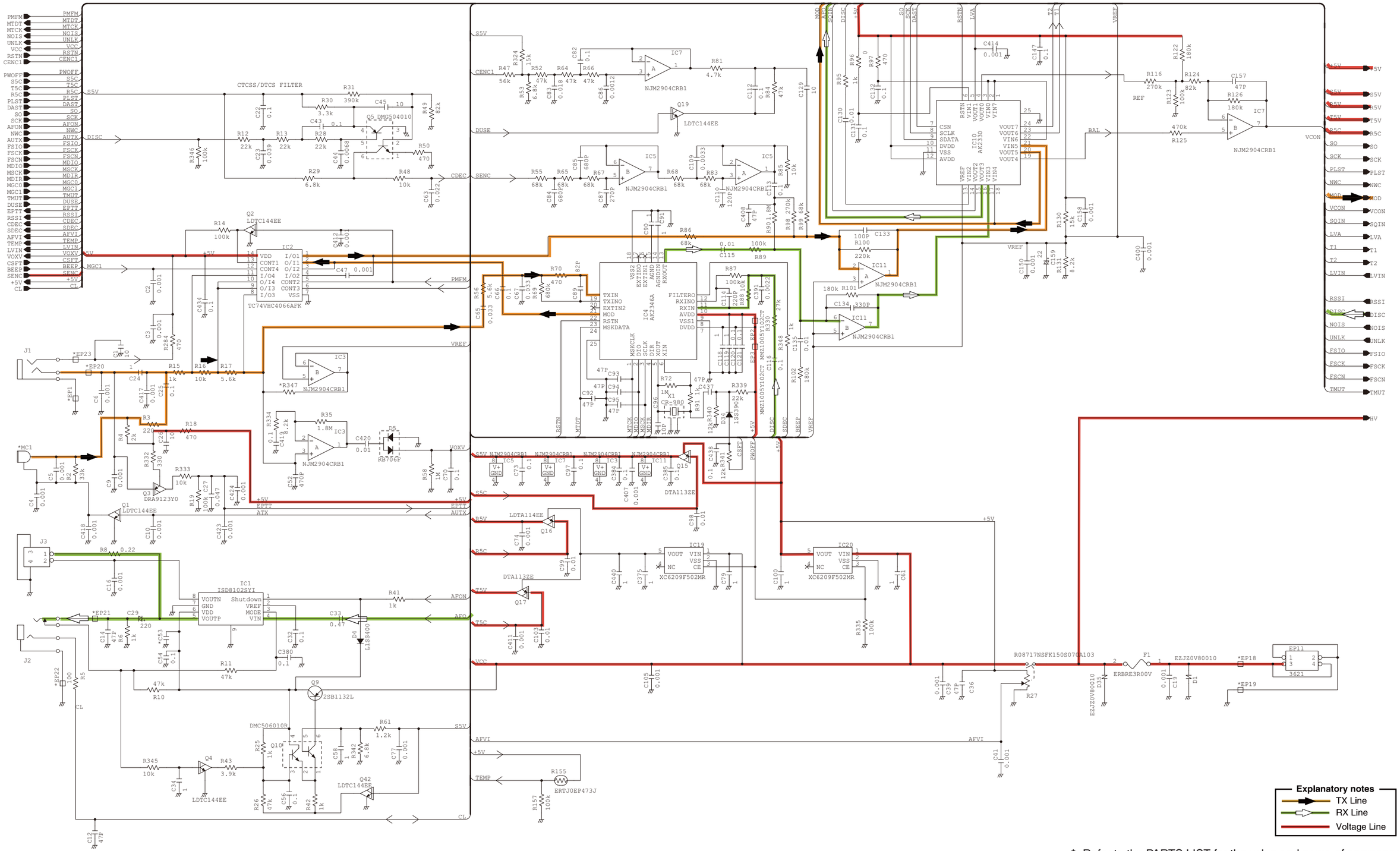
SECTION 10 VOLTAGE DIAGRAM

• MAIN UNIT (1/3)



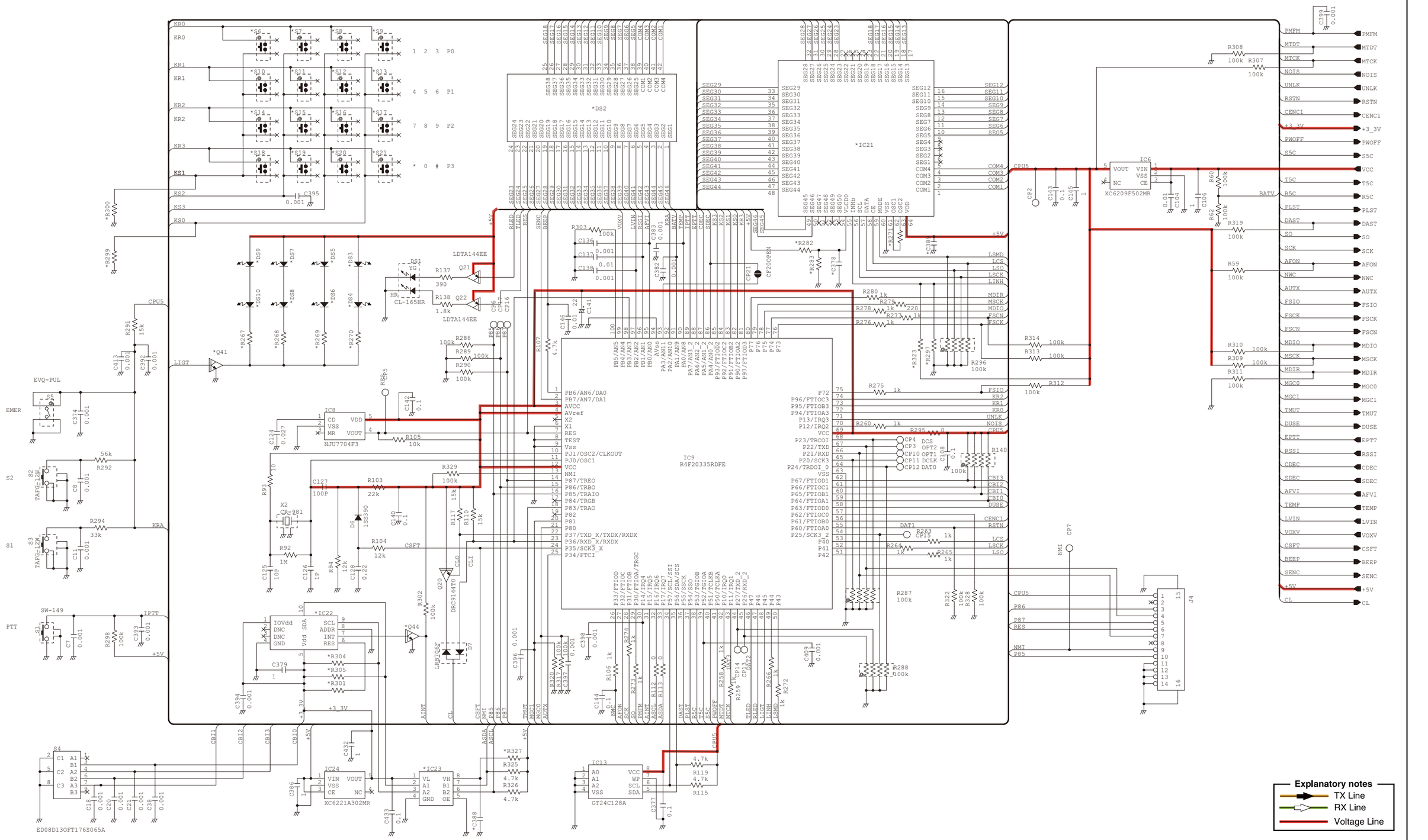
***:** Refer to the PARTS LIST for the value and name of component.

• MAIN UNIT (2/3)



***:** Refer to the PARTS LIST for the value and name of component.

• MAIN UNIT (3/3)



***:** Refer to the PARTS LIST for the value and name of component.

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