



# SERVICE MANUAL

VHF MARINE TRANSCEIVERS

**IC-M85**  
**IC-M85E**

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S-15420XZ-C1  
January 2018

Icom Inc.

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## INTRODUCTION

This service manual describes the latest technical information for the IC-M85 and IC-M85E VHF marine transceivers at the time of publication.

MODEL	VERSION	VERSION NUMBER	Usable Channel Group				
			USA	INT	CAN	WX	ATIS
IC-M85	USA	#11	✓	✓	✓	✓	—
	EXP	#12	✓	✓	✓	✓	—
IC-M85E	EUR	#15	—	✓	—	—	—
	UK	#16	—	✓	—	—	—
	FRG	#17	—	✓	—	—	✓
	AUS	#19	✓	✓	—	✓	—

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

## SERVICE CAUTION

**NEVER** connect the transceiver to a DC power supply that uses more than the specified voltage. This will ruin the transceiver.

**DO NOT** reverse the polarities of the power supply when directly applying power to the transceiver/circuit.

**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>**

1130017460	AK1542A-L	IC-M85 MAIN UNIT	5 pieces
8610016360	N-452	IC-M85 CHASSIS	1 piece

## REPAIR NOTES

1. Make sure that the problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
3. **DO NOT** short any circuits or electronic parts.
4. **DO NOT** keep power ON for a long time when the transceiver is defective.
5. **NEVER** directly transmit power into any test equipment such as Standard Signal Generator or a Sweep Generator, otherwise the RF power may damage them.
6. **ALWAYS** connect a 30 dB to 40 dB attenuator between the transceiver and such test equipment.
7. **READ** the instruction manual of the test equipment thoroughly before connecting it to the transceiver.

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**DISTRIBUTOR ADDRESS**

# SECTION 1

# SPECIFICATIONS

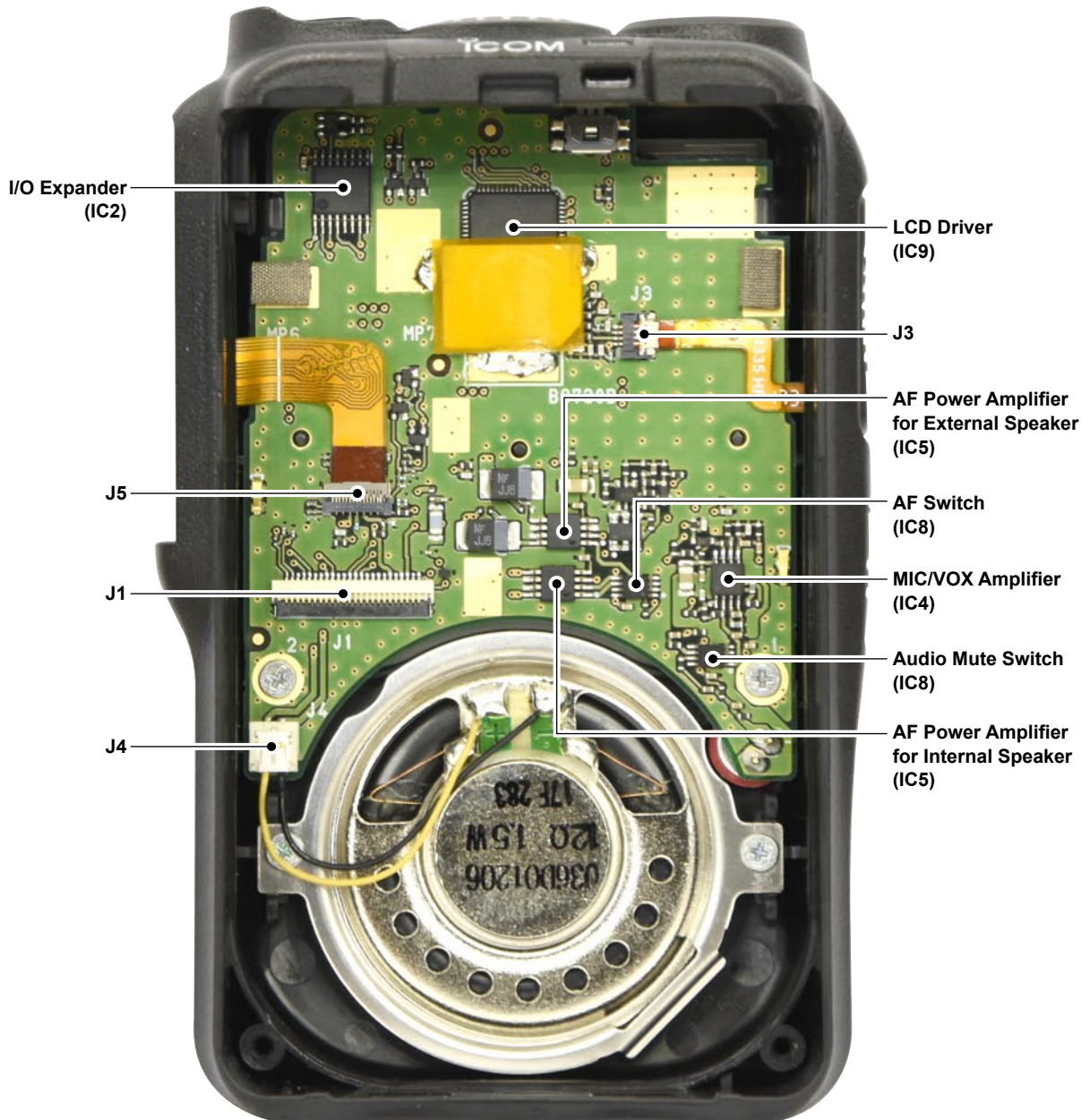
			IC-M85		IC-M85E				
			USA	EXP	EUR	UK	FRG	AUS	
GENERAL	Frequency coverage (Unit: MHz)	Marine Tx	156.025~157.425		156.000~161.450			156.025 ~157.425	
		Rx	156.050~163.275		156.000~163.425			156.300 ~162.025	
		Land Tx/Rx	136.000~174.000						
	Number of programmable channels		100						
	Type of emission	Marine	16K0G3E						
		Land	Wide	16K0F3E			14K0F3E	16K0F3E	
			Narrow	11K0F3E		8K50F3E			
	Antenna connector		SMA (50 Ω)						
	Operable temperature range	Marine	-20°C to +60°C (-4°F to +140°F)		-15°C to +55°C			-10°C to +55°C	
		Land	-30°C to +60°C (-22°F to +140°F)		-25°C to +55°C			-10°C to +50°C	
	Frequency error	Marine	±5.0 ppm		±1.5 kHz			±5.0 ppm	
		Land	±1.5 kHz						
Power supply voltage		7.2 V DC nominal (negative ground)							
Current drain (approximately)	Rx	maximum audio		0.45 A					
	Tx	at 5 W		1.5 A					
		at 3 W		1.2 A					
		at 2 W		0.9 A	-				
		at 1 W		0.6 A					
Dimensions (projections not included)		56(W)×92(H)×29(D) mm: 2.2(W)×3.6(H)×1.1(D) inches							
Weight		246 g: 8.7 oz (with BP-290, antenna, and belt clip)							
TRANSMITTER	Transmit output power	Marine	5 W/3 W/1 W						
		Land	2 W/1 W	5 W/3 W/1 W					
	Maximum frequency deviation	Marine	±5.0 kHz						
		Land	Wide	±5.0 kHz			±4.0 kHz	±5.0 kHz	
			Narrow	±2.5 kHz					
	Spurious emissions		-70 dBc typical		0.25 μW ≤2 GHz		1.00 μW >2 GHz	-70 dBc typical	
	Adjacent channel power	Marine	70 dB						
		Land	Wide	70 dB					
			Narrow	60 dB					
	Audio harmonic distortion		10% (at 60% Deviation)						
	FM Hum and Noise	Marine	40 dB		-				
		Land	Wide	40 dB		-			
Narrow			34 dB		-				
Residual modulation	Marine	-		40 dB					
	Land	Wide	-		40 dB				
		Narrow	-		34 dB				
Audio frequency response		-		+1 dB~-3 dB of 6 dB octave from 300 Hz to 3000 Hz (Marine)					
Limiting character of modulation		60%~ 100% of maximum deviation							
Microphone impedance		2 kΩ							
RECEIVER	Receiver system		Double conversion superheterodyne						
	Intermediate frequencies	1st	46.35 MHz						
		2nd	450 kHz						
	Sensitivity (typical)	Marine	0.25 μV		-4 dBμ EMF at 20 dB SINAD				
		Land	Wide	at 12 dB SINAD		-4 dBμ EMF at 20 dB SINAD			
			Narrow			-2 dBμ EMF at 20 dB SINAD			
	Adjacent channel selectivity (typical)	Marine	70 dB				65 dB		
		Land	Wide	70 dB					
			Narrow	55 dB		60 dB			
	Spurious response	Marine	70 dB typical		70 dB			65 dB	
		Land						70 dB	
	Intermodulation rejection ratio	Marine	70 dB typical		68 dB			65 dB	
Land				65 dB					
Hum and noise	Marine	40 dB							
	Land	Wide	40 dB						
		Narrow	34 dB						
Audio frequency response		-		+1 dB~-3 dB of -6 dB octave from 300 Hz to 3000 Hz (Marine)					
Squelch sensitivity (at threshold: typical)		0.35 μV		-6 dBμ EMF					
Audio output power (at 10% distortion)	Internal speaker (12 Ω)		0.7 W typical						
	External speaker (8 Ω)		0.7 W		0.7 W typical				

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

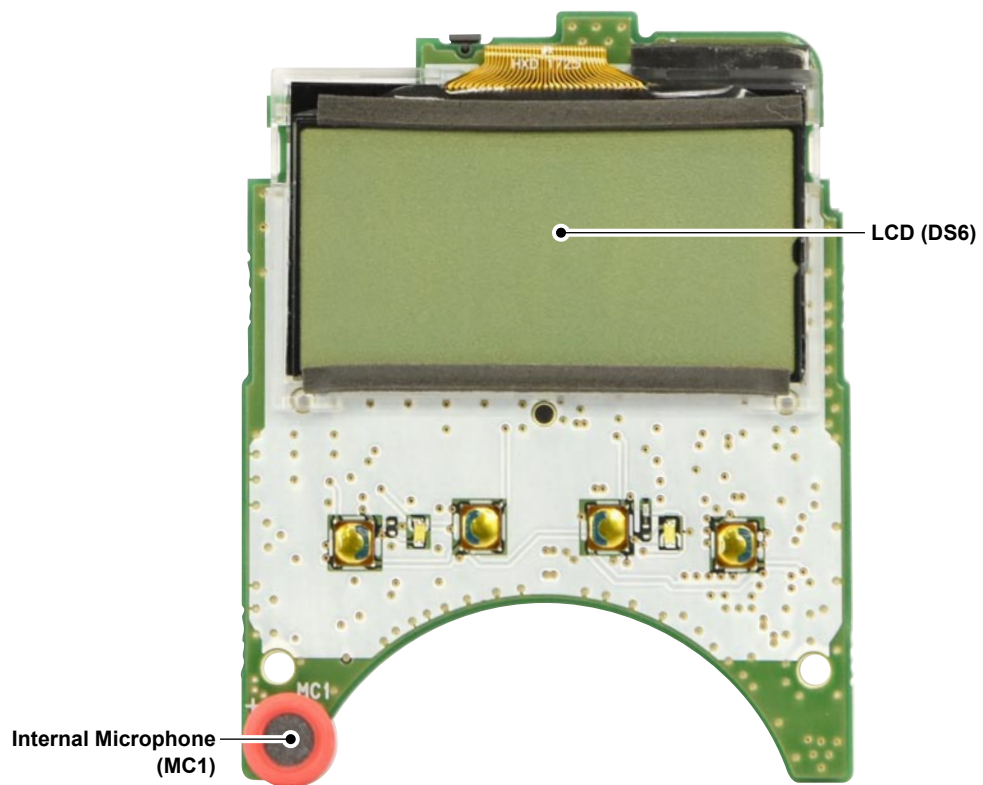
## SECTION 2

## INSIDE VIEWS

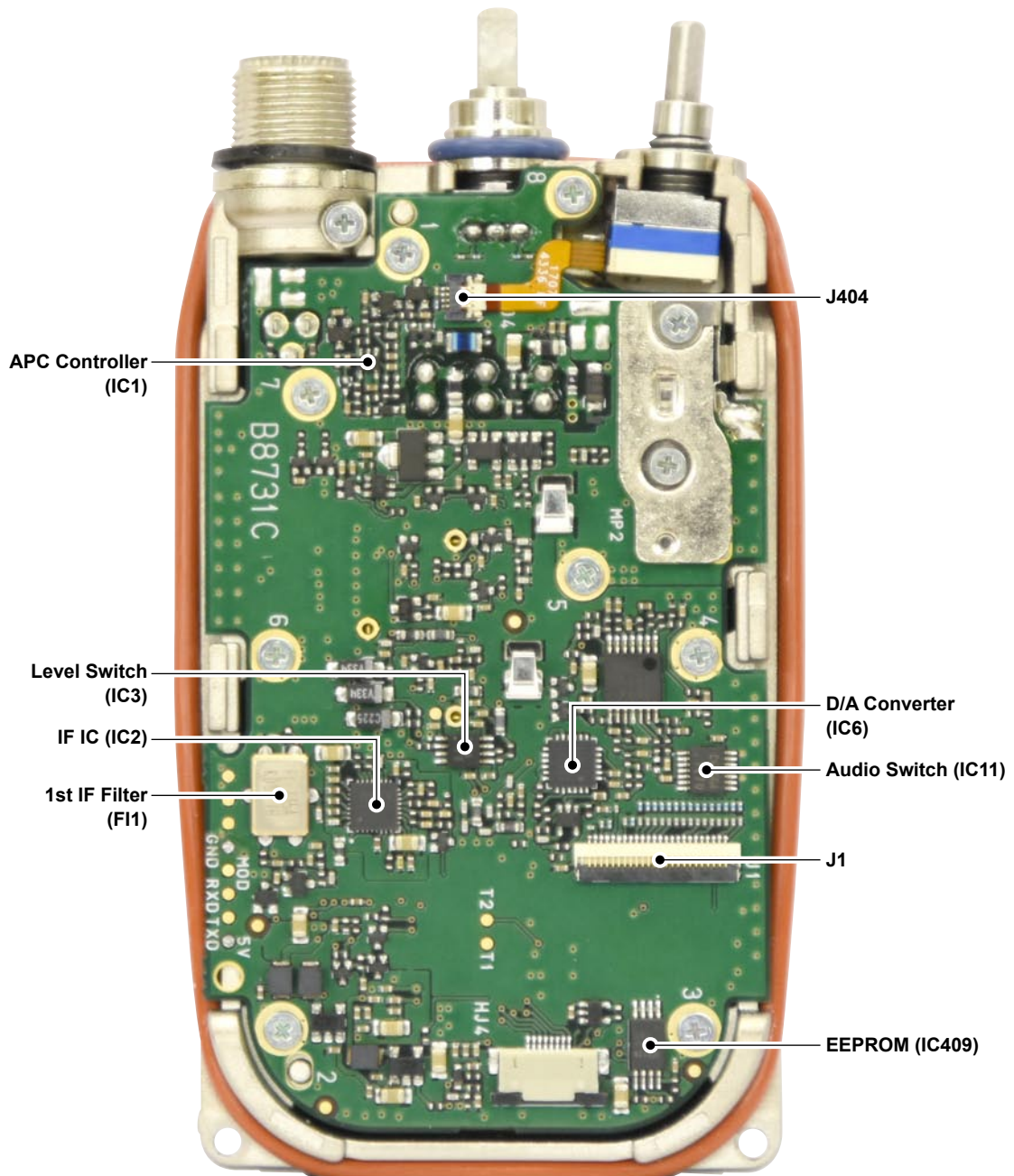
### • FRONT UNIT (BOTTOM VIEW)



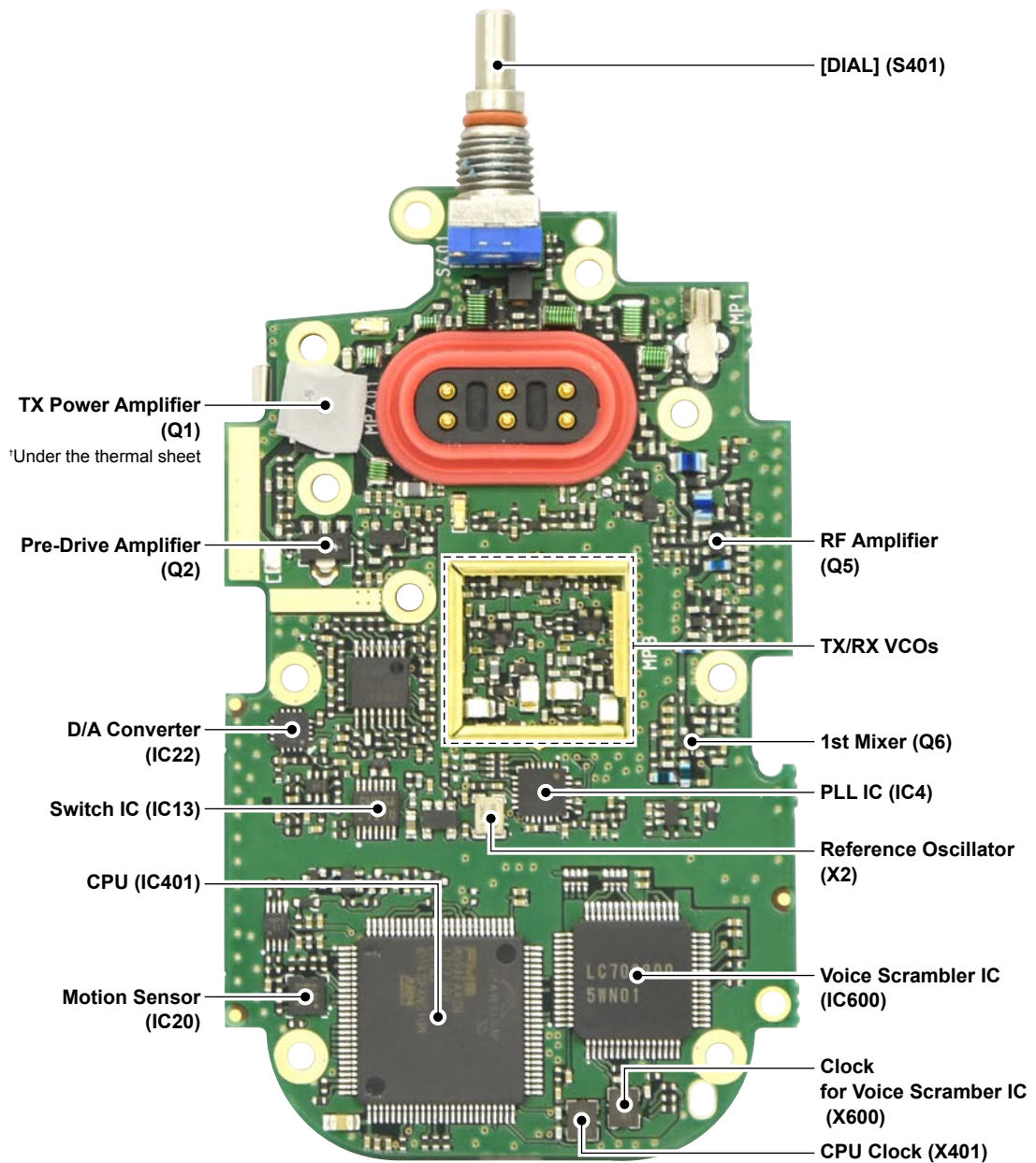
• FRONT UNIT (TOP VIEW)



• MAIN UNIT (TOP VIEW)



• MAIN UNIT (BOTTOM VIEW)

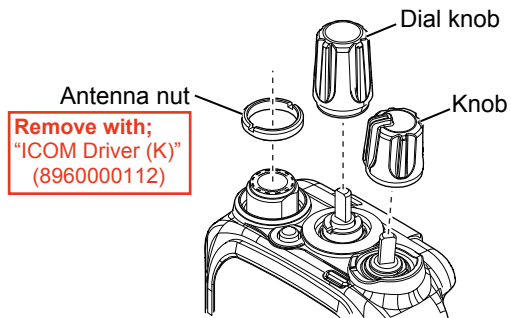


## SECTION 3

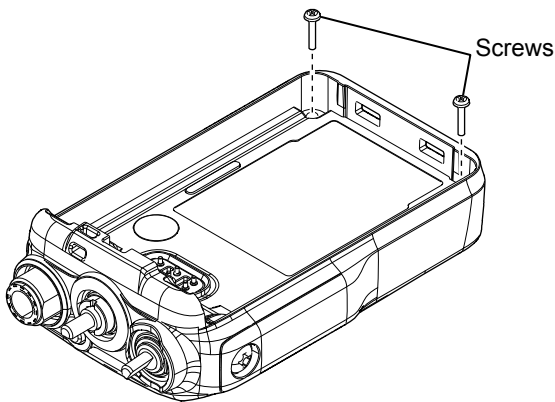
## DISASSEMBLY INSTRUCTION

### 1. REMOVING THE FRONT PANEL

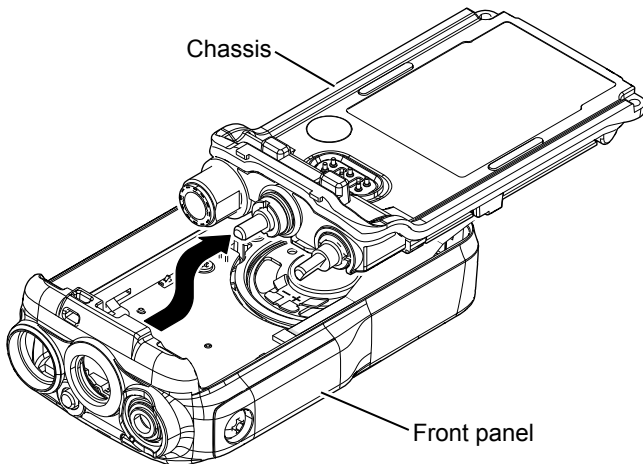
- 1) Remove 2 knobs and antenna nut from the front panel.



- 2) Remove 2 screws from the bottom of chassis.

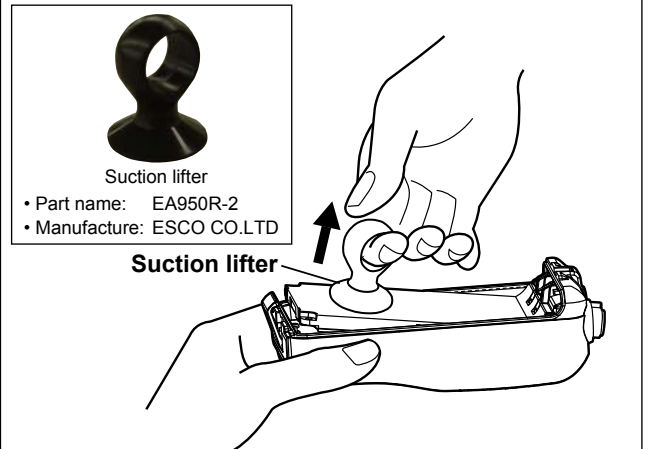


- 3) Separate the chassis from the front panel.

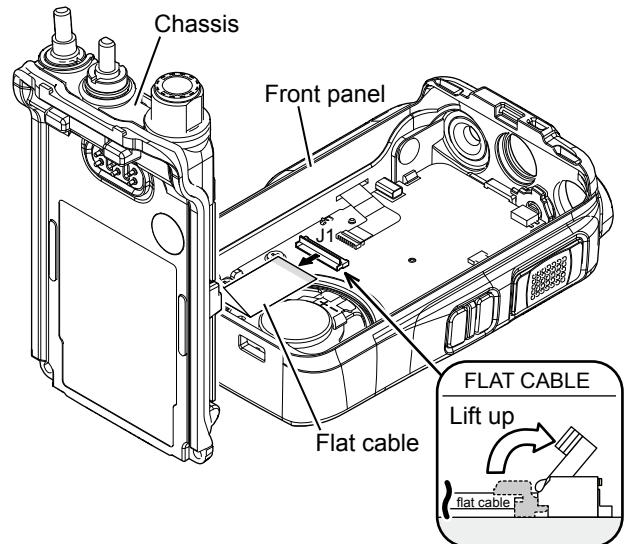


**BE CAREFUL** about the flat cable when separating the chassis from the front panel.

**For easy separation of the CHASSIS**  
Use a suction lifter to lift the bottom of the CHASSIS up.

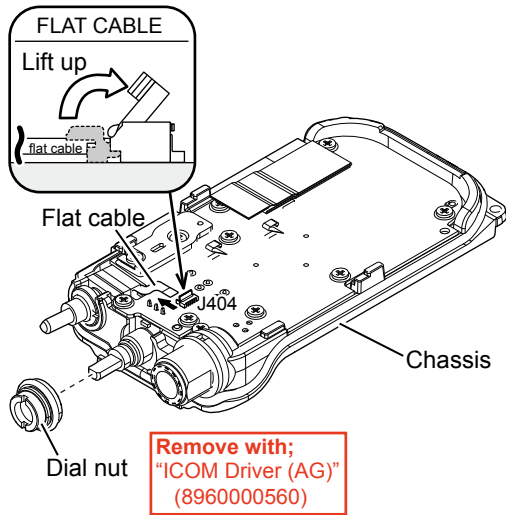


- 4) Disconnect the flat cable from the LOGIC UNIT, then separate the chassis from the front panel.

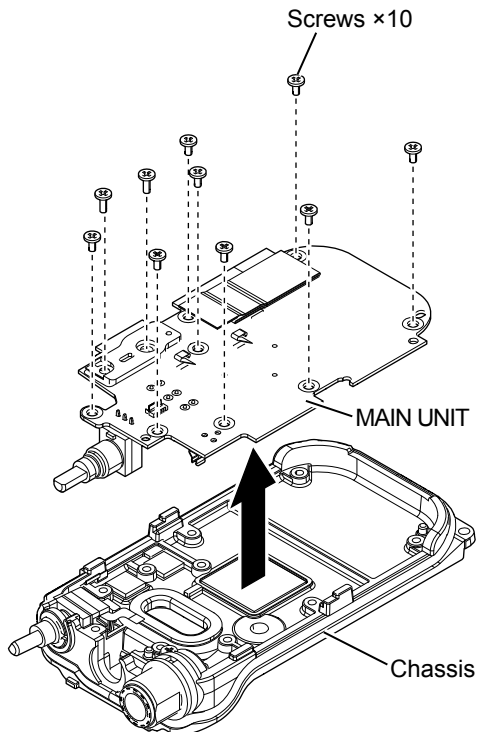


## 2. REMOVING THE MAIN UNIT

- 1) Disconnect the flat cable and remove dial nut from the MAIN UNIT.

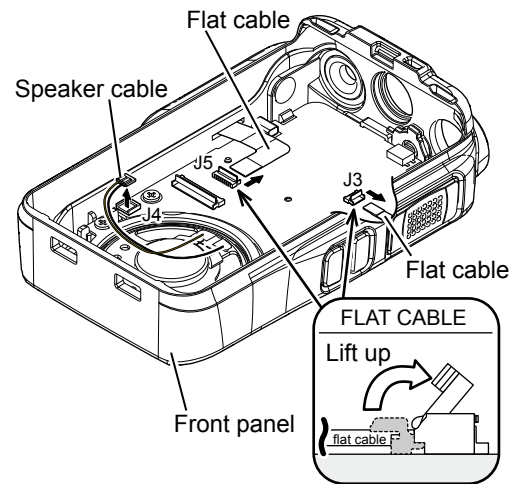


- 2) Separate the MAIN UNIT from the chassis.

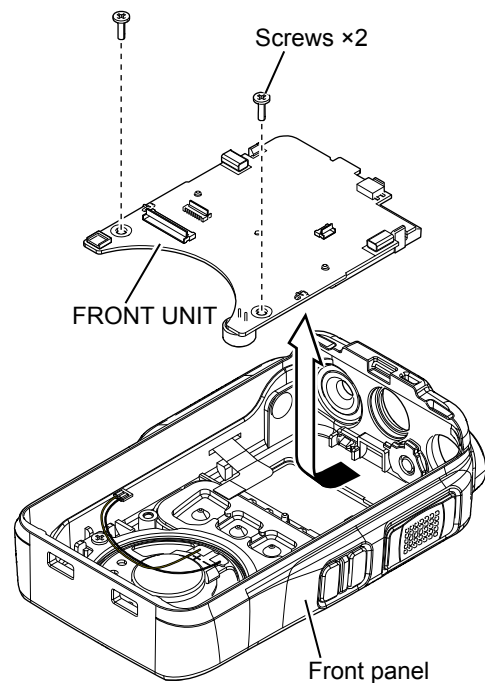


## 3. REMOVING THE FRONT UNIT

- 1) Disconnect 2 flat and speaker cables from the FRONT UNIT.



- 2) Remove 2 screws, then separate the FRONT UNIT from the front panel.



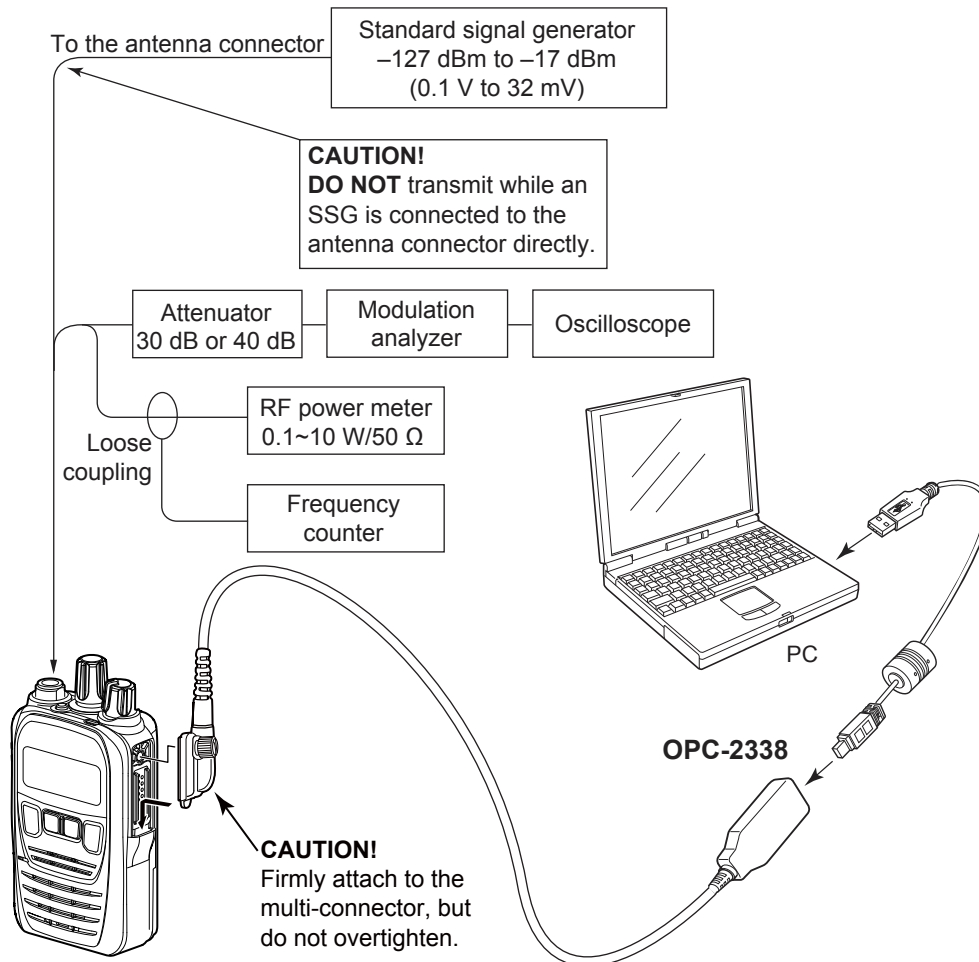
# SECTION 4 ADJUSTMENT PROCEDURE

## 4-1 PREPARATION

### ■ REQUIRED EQUIPMENT

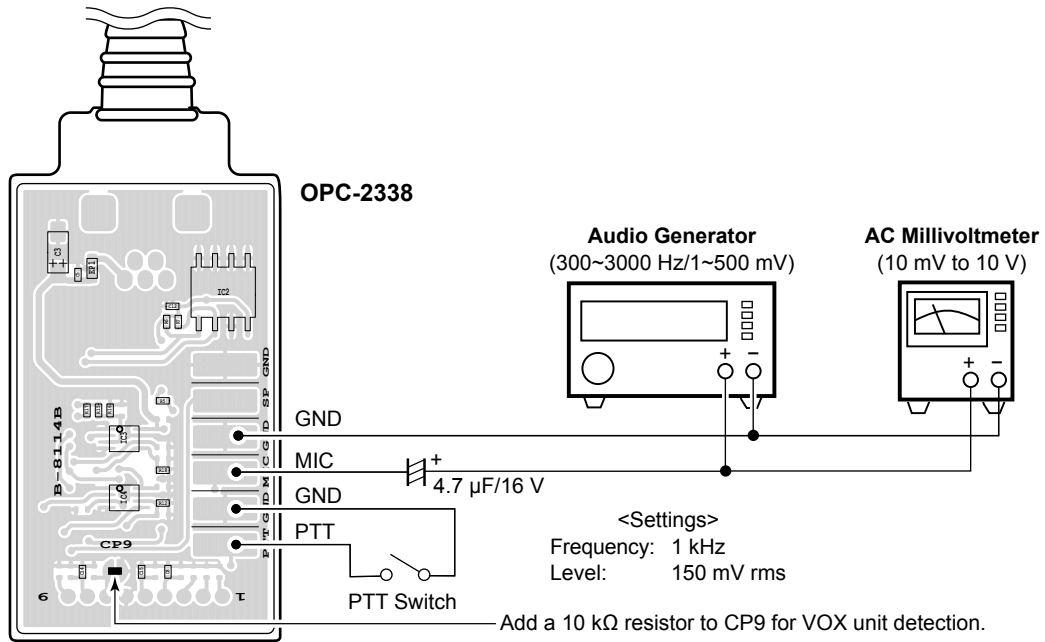
EQUIPMENT	SPECIFICATIONS	EQUIPMENT	SPECIFICATIONS
Programming software	CS-M85 PROGRAMMING SOFTWARE (Revision 1.0 or later)	Oscilloscope	Frequency range: DC~20 MHz Measuring range: 0.01~20 V
RF power meter (50 Ω terminated)	Measuring range: 0.1~10 W Frequency range: 100~300 MHz SWR: Less than 1.2 : 1	Standard signal generator (SSG)	Frequency range: 0.1~300 MHz Output level: -20 dBμ to 90 dBμ (-127 to -17 dBm)
Frequency counter	Range: 0.1~300 MHz Accuracy: ±1 ppm or better Input level: Less than 1 mW	Audio generator (AG)	Frequency range: 300~3000 Hz Output level: 1~500 mV
		JIG cable	Modified OPC-2338 (see the illustration on page 4-2)
Modulation Analyzer	Frequency range: 30~300 MHz Measuring range: 0~±10 kHz	Attenuator	Attenuation: 30 dB or 40 dB Capacity: More than 10 W
AC millivoltmeter	Measuring range: 10 mV to 10 V		

### ■ CONNECTIONS



The tests described in this section should be measured and adjusted with the above test equipment. However, a radio tester can also be used for these adjustment procedures.

■ JIG CABLE



■ ADJUSTMENT UTILITY

**I/O Check**

- Common
- Emergency
- INT CH
- USA CH
- CAN CH
- WX CH


**ATIS Code**

- Adjust Utility
- Adjust
- Output Data
- Parameter

Setting	Value	Unit
CH Group	USA	
CH No.	16	
RF Power	High	
ATIS	OFF	
AF Level	OFF	
SQL Level	Open	
Option	OFF	
<b>Adjust</b>		
RX LVA	0	[#####]-----
TX LVA	0	[#####]-----
LV (RX LVA)	163	320 V
LV (TX LVA)	174	341 V
REF FREQ	0	[#####]-----
RF Power (High)	0	[#####]-----
RF Power (Middle)	0	[#####]-----
RF Power (LMR High)	0	[#####]-----
RF Power (Low)	0	[#####]-----
BAL (Wide)	0	[#####]-----
BAL (Middle)	0	[#####]-----
BAL (Narrow)	0	[#####]-----
MOD (Wide)	0	[#####]-----
MOD (Middle)	0	[#####]-----
MOD (Narrow)	0	[#####]-----
CTCSS (Wide)	0	[#####]-----
CTCSS (Middle)	0	[#####]-----
CTCSS (Narrow)	0	[#####]-----
DTCS (Wide)	0	[#####]-----
DTCS (Middle)	0	[#####]-----
DTCS (Narrow)	0	[#####]-----
ATIS (1300 Hz)	0	[#####]-----
ATIS (2100 Hz)	0	[#####]-----
MSENS (INT)	0	[#####]-----
BPF ALL Sweep		
BPF T1	0	[#####]-----
BPF T2	0	[#####]-----
SQL (Threshold)	0	[-----]-----
SQL (Tight)	0	[-----]-----
VOX (Noise Detection)	0	[-----]-----
RSSI	0	[-----]-----

■ ADJUSTMENT CHANNELS

CH	Name	FREQ (MHz)		Bandwidth	C.Tone	
		RX	TX		W/M/N	RX
1	1	174.00000	<-			
2	2	174.00000	<-			
3	3	136.00000	<-			
4	4	136.00000	<-			
5	5	155.00000	<-			
6	6	155.00000	<-			
7	7	155.00000	<-			
8	8	155.00000	<-			
9	9	163.27500	<-			
10	10	155.00000	<-			
11	11	155.00000	<-	N		
12	12	155.00000	<-	M		
13	13	155.00000	<-			
14	14	155.00000	<-	N	007N	<-
15	15	155.00000	<-	M	007N	<-
16	16	155.00000	<-		007N	<-
17	17	155.00000	<-	N	151.4	<-
18	18	155.00000	<-	M	151.4	<-
19	19	155.00000	<-		151.4	<-
20	20	155.00000	<-	N	007N	<-
21	21	155.00000	<-	M	007N	<-
22	22	155.00000	<-		007N	<-
23	23	155.00000	<-			
24	24	156.80000	<-			
25	25	156.80000	<-			
26		---	---	---	---	---

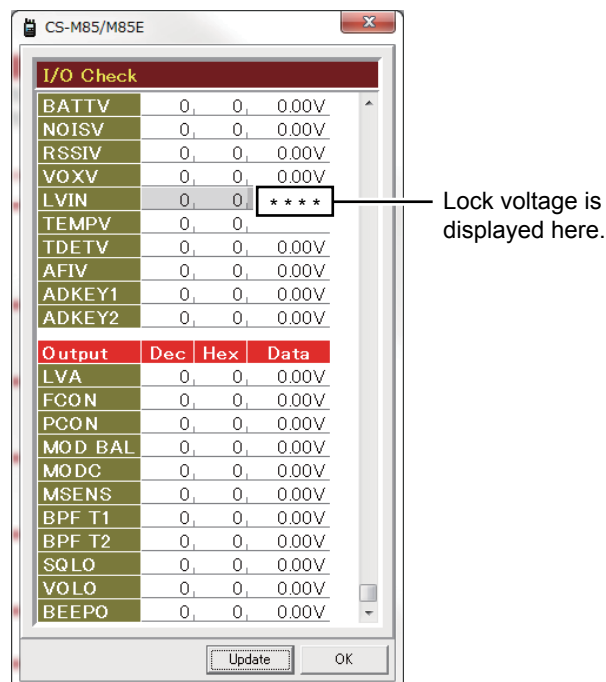
**CONVENIENT: The same cloning file is available.**  
 Right-click the clip icon to the right, and select "Save Embedded File to Disk." 

## 4-2 FREQUENCY ADJUSTMENT

1. Select an adjustment item by pushing [↑]/[↓]/[←]/[→] on the PC's keyboard.
2. Set or modify the adjustment value as specified using [Space]/[BackSpace] on the PC's keyboard.

ADJUSTMENT		TRANSCIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
<b>PLL LOCK VOLTAGE</b>	1	• Channel:1 • Receiving	Click the "I/O check button" on the ADJ-M85's screen (see page 4-2) to open the I/O check window as below.	<b>[RX LVA]</b>	3.2 V: 163
	2	• Channel:2 • Transmitting		<b>[TX LVA]</b>	3.4 V: 174
	3	• Channel:3 • Receiving		<b>[LVIN]</b> (On the I/O Check window)	0.8 V ±0.3 V (Verify)
	4	• Channel:4 • Transmitting			0.9 V ±0.3 V (Verify)
<b>REFERENCE FREQUENCY</b>	1	• Channel:5 • Transmitting	Loosely couple the frequency counter to the antenna connector, as shown on page 4-1.	<b>[REF]</b>	155.0000 MHz (±300 Hz)

### • I/O Check window



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

### 4-3 RECEIVE ADJUSTMENT

1. Select an adjustment item by pushing [↑]/[↓]/[←]/[→] on the PC's keyboard.
2. Set or modify the adjustment value as specified using [Space]/[BackSpace] on the PC's keyboard.

ADJUSTMENT	TRANSCEIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
<b>RX SENSITIVITY</b>	<b>NOTE:</b> When the "RX SENSITIVITY" is re-adjusted, the "RSSI" must be re-adjusted too.			
	1 • Channel:6 • Receiving	Connect the test equipment to the antenna connector and set it to: Frequency: 155 MHz Level†: 10 dBμ (–97 dBm) Modulation: 1 kHz Deviation: ±3.0 kHz	<b>[BPF ALL]</b>	(Automatic adjustment)
<b>SQUELCH (threshold)</b>	1 • Channel:7 • Receiving	Set the test equipment to: Level†: –13 dBμ (–120 dBm)	<b>[SQL (threshold)]</b>	(Automatic adjustment)
<b>(tight)</b>	2	Set the test equipment to: Level†: –4 dBμ (–111 dBm)	<b>[SQL (tight)]</b>	
<b>RSSI</b>	<b>NOTE:</b> The "RX SENSITIVITY" must be adjusted before adjusting the "RSSI." If the "RX SENSITIVITY" is re-adjusted, "RSSI" must be re-adjusted too.			
	1 • Channel:8 • Receiving	Set the test equipment to: Level†: 0 dBμ (–107 dBm)	<b>[RSSI]</b>	(Automatic adjustment)
<b>WX ALERT DECODER*</b>	1 • Channel:9 • Receiving	<ul style="list-style-type: none"> <li>• Set the weather alert function ON in the Menu.</li> <li>• Set the test equipment to: Frequency: 163.275 MHz Level†: 30 dBμ (–77 dBm) Modulation: 1.05 kHz Deviation: ±3.0 kHz</li> </ul>	–	Verify that the transceiver emits weather alert beeps, and "ALT" icon blinks on the LCD.

†The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

\*For only [USA], [EXP], and [AUS] versions.

## 4-4 TRANSMIT ADJUSTMENTS

1. Select an adjustment item by pushing [↑]/[↓]/[←]/[→] on the PC's keyboard.
2. Set or modify the adjustment value as specified using [Space]/[BackSpace] on the PC's keyboard.

ADJUSTMENT		TRANSCIVER'S CONDITION	OPERATION	ADJUSTMENT ITEM	VALUE
<b>TX OUTPUT POWER (High power)</b> <b>(Middle power)</b> <b>(Land High power)*1</b> <b>(Low power)</b>	1	• Channel: 10 • Transmitting	• Connect the test equipment to the antenna connector as shown in page 4-1. • Adjust the power supply voltage to 7.2 V while transmitting.	<b>[RF Power (High)]</b>	5 W
	2			<b>[RF Power (Middle)]</b>	3 W
	3			<b>[RF Power (LMR High)]</b>	1.75 W
	4			<b>[RF Power (Low)]</b>	0.75 W
<b>DEVIATION</b>	1	–	Set the test equipment to: HPF: OFF LPF: 20 kHz De-emphasis: OFF Detector: (P–P)/2		
<b>(Narrow bandwidth)</b>	2	• Channel: 11 • Transmitting	Set the test equipment to: Frequency: 1 kHz Waveform: Sine wave Level: 150 mV rms	<b>[MOD (Narrow)]</b>	±2.10 kHz ±0.05 kHz
<b>(Middle bandwidth)*2</b>	3	• Channel: 12 • Transmitting		<b>[MOD (Middle)]</b>	±3.20 kHz ±0.05 kHz
<b>(Wide bandwidth)</b>	4	• Channel: 13 • Transmitting		<b>[MOD (Wide)]</b>	±4.10 kHz ±0.05 kHz
<b>MODULATION BALANCE (Narrow)</b> <b>(Middle)*2</b> <b>(Wide)</b>	1	• Channel: 14 • Transmitting	No audio signals applied to the JIG cable.	<b>[BAL (Narrow)]</b>	Set to square wave form
	2	• Channel: 15 • Transmitting		<b>[BAL (Middle)]</b>	
	3	• Channel: 16 • Transmitting		<b>[BAL (Wide)]</b>	
<b>CTCSS DEVIATION (Narrow)</b> <b>(Middle)*2</b> <b>(Wide)</b>	1	• Channel: 17 • Transmitting	No audio signals applied to the JIG cable.	<b>[CTCSS (Narrow)]</b>	±0.34 kHz ±0.02 kHz
	2	• Channel: 18 • Transmitting		<b>[CTCSS (Middle)]</b>	±0.55 kHz ±0.02 kHz
	3	• Channel: 19 • Transmitting		<b>[CTCSS (Wide)]</b>	±0.68 kHz ±0.02 kHz
<b>DTCS DEVIATION (Narrow)</b> <b>(Middle)*2</b> <b>(Wide)</b>		• Channel: 20 • Transmitting	No audio signals applied to the JIG cable.	<b>[DTCS (Narrow)]</b>	±0.34 kHz ±0.02 kHz
		• Channel: 21 • Transmitting		<b>[DTCS (Middle)]</b>	±0.55 kHz ±0.02 kHz
		• Channel: 22 • Transmitting		<b>[DTCS (Wide)]</b>	±0.68 kHz ±0.02 kHz
<b>VOX</b>	1	• Channel: 23	• Set the VOX function ON. • Set the test equipment to: Frequency: 1 kHz Level: 40 mV rms	–	Verify that the transceiver is transmitting, and the status indicator lights red.
<b>ATIS DEVIATION*2</b>	1	–	Set the test equipment to: HPF: OFF LPF: 20 kHz De-emphasis: OFF Detector: (P–P)/2	–	–
<b>ATIS (1300 Hz)</b>		• Channel: 24 • Transmitting	Select "ATIS" item to 1300 Hz.	–	±1.3 kHz ±10% (Verify)
<b>ATIS (2100 Hz)</b>		• Channel: 25 • Transmitting	Select "ATIS" item to 2100 Hz.		±2.1 kHz ±10% (Verify)

\*1For only [USA] version. \*2For only [FRG] version.

# SECTION 5

# PARTS LIST

## [FRONT UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1130017400	S.IC MC74HC4094ADTR2G	B	9.3/39.5
IC4	1110008940	S.IC NJU7057RB1-TE2-#ZMZH	B	43.2/6.0
IC5	1110007610	S.IC TPA0211DGNR	B	39.1/20.2
IC6	1110007610	S.IC TPA0211DGNR	B	43.6/20.7
IC7	1130009981	S.IC TC7W53FK (TE85LF)	B	49.8/7.5
IC8	1130009981	S.IC TC7W53FK (TE85LF)	B	43.8/14.0
IC9	1130017430	S.IC NJU6434KS4-TE4-#ZZZB	B	13.4/24.5
Q1	1590005410	S.TRA DTC014YEBTL	B	8.7/34.9
Q2	1590004500	S.TRA DMC561040R	B	3.6/40.4
Q3	1590005410	S.TRA DTC014YEBTL	B	8.7/33.9
Q5	1590003800	S.TRA KTC811U-GR-RTK/P	B	35.9/14.8
Q6	1550000090	S.FET RSQ035P03TR	B	39.1/14.8
Q9	1590005410	S.TRA DTC014YEBTL	B	25.7/33.8
Q10	1590005410	S.TRA DTC014YEBTL	B	31.0/32.9
Q11	1590005410	S.TRA DTC014YEBTL	B	28.3/34.5
Q12	1590005410	S.TRA DTC014YEBTL	B	18.8/28.4
D1	1750003390	S.ZEN RCLAMP1521P.TCT	B	42.6/30.6
D7	1750001810	S.DIO L1S5400T1G	B	35.7/11.5
D8	1750002020	S.DIO DA2S10100L	B	39.9/8.1
R1	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	B	5.9/34.5
R2	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	4.0/38.1
R3	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	3.1/38.1
R7	7030016490	S.RES RMC1/16S-391JTH (390)	T	41.1/32.0
R9	7030016490	S.RES RMC1/16S-391JTH (390)	T	40.9/12.0
R11	7030016160	S.RES RMC1/16S-820JTH (82)	B	6.9/32.9
R14	7030016370	S.RES RMC1/16S-271JTH (270)	B	5.9/35.4
R18	7030016370	S.RES RMC1/16S-271JTH (270)	B	9.6/16.2
R20	7030015980	S.RES RMC1/16S-333JTH (33 k)	B	34.1/10.3
R21	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	33.6/11.5
R22	7030016100	S.RES RMC1/16S-334JTH (330 k)	B	34.8/12.8
R23	7030016280	S.RES RMC1/16S-331JTH (330)	B	35.7/12.8
R24	7030016200	S.RES RMC1/16S-274JTH (270 k)	B	38.4/12.6
R25	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	36.9/12.8
R28	7030016280	S.RES RMC1/16S-331JTH (330)	B	33.6/14.8
R29	7030016560	S.RES RMC1/16SJPTH	B	36.1/16.5
R30	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	34.5/16.5
R35	7030016030	S.RES RMC1/16S-154JTH (150 k)	B	46.2/6.8
R36	7030016030	S.RES RMC1/16S-154JTH (150 k)	B	46.1/8.0
R37	7030014340	S.RES MCR006Y2PJ 473 (47 k)	B	27.1/32.9
R39	7030014450	S.RES MCR006Y2PJ 470 (47)	B	32.1/34.0
R40	7030014340	S.RES MCR006Y2PJ 473 (47 k)	B	33.7/34.2
R41	7030014340	S.RES MCR006Y2PJ 473 (47 k)	B	33.0/33.8
R42	7030014860	S.RES RGC1/16SC104DTH (100 k)	B	43.8/3.8
R43	7030014860	S.RES RGC1/16SC104DTH (100 k)	B	47.1/5.2
R44	7030019640	S.RES RMC1/16S-125JTH (1.2 M)	B	45.3/3.8
R45	7030015910	S.RES RMC1/16S-101JTH (100)	B	40.9/9.4
R50	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	50.5/10.1
R51	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	48.9/10.6
R53	7030014380	S.RES MCR006Y2PJ 103 (10 k)	B	29.8/39.1
R54	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	B	47.8/8.4
R55	7030014340	S.RES MCR006Y2PJ 473 (47 k)	B	31.6/39.4
R56	7030014360	S.RES MCR006Y2PJ 471 (470)	B	39.9/45.3
R57	7030014390	S.RES MCR006Y2PJ 102 (1 k)	B	32.5/39.1
R58	7030015980	S.RES RMC1/16S-333JTH (33 k)	B	55.0/4.7
R59	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	53.0/6.5
R60	7520000270	S.POS PRG21BC4R7MM1RA	B	38.3/31.3
R62	7030016560	S.RES RMC1/16SJPTH	B	39.3/36.3
R63	7540000460	S.ABS EZAEG1N50AC	B	38.6/38.2
R69	7540000460	S.ABS EZAEG1N50AC	B	32.5/37.9
R70	7540000460	S.ABS EZAEG1N50AC	B	34.4/34.2
R71	7540000460	S.ABS EZAEG1N50AC	B	32.5/37.2
R72	7540000460	S.ABS EZAEG1N50AC	B	36.5/34.5
R73	7540000460	S.ABS EZAEG1N50AC	B	32.5/36.0
R77	7540000460	S.ABS EZAEG1N50AC	B	23.8/16.1
R78	7540000460	S.ABS EZAEG1N50AC	B	23.1/18.7
R79	7540000460	S.ABS EZAEG1N50AC	B	21.3/17.2
R110	7030016450	S.RES RMC1/16S-824JTH (820 k)	B	19.4/18.3
R111	7030016390	S.RES RMC1/16S-184JTH (180 k)	B	22.1/18.3
R112	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	20.3/18.3
R113	7030016220	S.RES RMC1/16S-563JTH (56 k)	B	21.2/18.3
R114	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	40.6/10.6
R115	7030016450	S.RES RMC1/16S-824JTH (820 k)	B	36.4/6.1
R116	7030016390	S.RES RMC1/16S-184JTH (180 k)	B	32.6/19.4
R117	7030016220	S.RES RMC1/16S-563JTH (56 k)	B	33.3/28.6
R118	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	40.0/39.6
R121	7030016560	S.RES RMC1/16SJPTH	B	46.1/9.2
R123	7030016330	S.RES RMC1/16S-153JTH (15 k)	B	38.9/3.3
R124	7030016100	S.RES RMC1/16S-334JTH (330 k)	B	38.9/5.1
R125	7030016440	S.RES RMC1/16S-272JTH (2.7 k)	B	38.9/6.0
R126	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	40.1/6.1
R127	7030016060	S.RES RMC1/16S-105JTH (1 M)	B	38.5/8.9
R128	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	45.9/13.1
R129	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	41.3/8.2
R130	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	21.2/25.6
R131	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	22.1/27.3
R132	7030016240	S.RES RMC1/16S-684JTH (680 k)	B	19.1/22.2
R133	7410001140	S.ARR EXB28V104JX	B	21.3/23.6
R134	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	20.3/26.8
R136	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	18.5/26.4
C1	4030022860	S.CER 0402N470J500CT	B	23.3/16.9

## [FRONT UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
C2	4030022120	S.CER GRM0332C1H470JA01D	B	38.9/44.5
C5	4030022120	S.CER GRM0332C1H470JA01D	B	39.2/43.7
C6	4030022860	S.CER 0402N470J500CT	B	23.3/17.8
C8	4030022140	S.CER GRM0333B31H102KA12D	B	40.9/32.0
C10	4030023090	S.CER 0402B102K500CT	T	2.8/34.3
C14	4030022860	S.CER 0402N470J500CT	B	21.2/16.3
C20	4030023090	S.CER 0402B102K500CT	B	6.8/42.8
C25	4030023010	S.CER 0402B104K160CT	B	9.6/17.1
C28	4030020000	S.CER C1005 JB 1A 105K-T	B	33.6/12.4
C30	4030023010	S.CER 0402B104K160CT	B	33.4/17.4
C31	4030023090	S.CER 0402B102K500CT	B	33.1/18.3
C34	4030019560	S.CER GRM21BB31C106KE15L	B	35.1/19.1
C41	4030023090	S.CER 0402B102K500CT	B	48.0/5.2
C42	4030023010	S.CER 0402B104K160CT	B	46.2/5.2
C43	4030022860	S.CER 0402N470J500CT	B	44.5/8.2
C46	4030022160	S.CER GRM0333B31A104KE84D	B	34.0/33.3
C48	4030020300	S.CER GRM21BB31C475KA87L	B	43.3/19.6
C49	4030023030	S.CER 0402B103K250CT	B	42.9/8.2
C50	4030023000	S.CER 0402B683K100CT	B	41.3/18.4
C53	4030023000	S.CER 0402B683K100CT	B	36.8/19.0
C54	4030023090	S.CER 0402B102K500CT	B	51.5/7.4
C55	4030023090	S.CER 0402B102K500CT	B	45.6/14.7
C61	4550008910	S.TAN T55B227M6R3C0200-HF-ICM	B	39.0/26.8
C62	4550008910	S.TAN T55B227M6R3C0200-HF-ICM	B	35.0/24.7
C64	4030023010	S.CER 0402B104K160CT	B	52.7/7.7
C65	4030023010	S.CER 0402B104K160CT	B	48.0/10.6
C68	4030023090	S.CER 0402B102K500CT	B	54.1/5.2
C69	4030023090	S.CER 0402B102K500CT	B	48.9/4.1
C72	4030022120	S.CER GRM0332C1H470JA01D	B	36.5/33.9
C76	4030022120	S.CER GRM0332C1H470JA01D	B	32.5/35.4
C77	4030022120	S.CER GRM0332C1H470JA01D	B	32.5/36.6
C79	4030022120	S.CER GRM0332C1H470JA01D	B	35.1/34.2
C80	4030022120	S.CER GRM0332C1H470JA01D	B	32.5/38.5
C81	4030022120	S.CER GRM0332C1H470JA01D	B	36.3/30.6
C95	4030023060	S.CER 0402B183K250CT	B	40.5/3.3
C96	4030023060	S.CER 0402B183K250CT	B	40.1/4.5
C97	4030022870	S.CER 0402N471J500CT	B	38.9/4.2
C98	4030022870	S.CER 0402N471J500CT	B	38.5/8.0
C100	4030022860	S.CER 0402N470J500CT	B	37.3/6.1
C101	4030022860	S.CER 0402N470J500CT	B	32.6/20.3
C102	4030022860	S.CER 0402N470J500CT	B	34.2/28.6
C103	4030022860	S.CER 0402N470J500CT	B	39.1/39.6
C104	4030022860	S.CER 0402N470J500CT	T	39.4/32.0
C105	4030022860	S.CER 0402N470J500CT	B	18.5/17.4
C106	4030022860	S.CER 0402N470J500CT	B	23.2/19.5
C107	4030022860	S.CER 0402N470J500CT	B	20.8/19.5
C108	4030022860	S.CER 0402N470J500CT	B	19.9/16.7
C109	4030023010	S.CER 0402B104K160CT	B	19.6/21.1
C110	4030020450	S.CER C1005 JB 0J 475M-T	B	21.2/27.3
J1	6510030920	S.CON IMSA-9681S-24Y901	B	44.8/38.5
J2	6510031380	S.CON 31FXVL-RSM1-GAN-TF-1 (HF)	T	7.8/24.0
J3	6510032530	S.CON 04-6299-004-020-846+	B	22.0/13.6
J4	6510031400	S.CON BM02B-ACHSS-GAN-ETTF (LF) (SN)	B	57.7/45.4
J5	6510031390	S.CON 15FXVL-RSM1-GAN-TF-1 (HF)	B	36.2/38.2
DS1	5040003990	S.LED CL-505S-X-SD-T	T	3.6/35.5
DS2	5040003890	S.LED B1931TX--05P-000412	T	41.2/33.9
DS3	5040003890	S.LED B1931TX--05P-000412	T	41.2/14.1
DS4	5040003550	S.LED NSSF208T	T	7.9/33.4
DS5	5040003550	S.LED NSSF208T	T	7.9/14.6
DS6	5030004400	LCD BTD-0701V-HBWD-N-A-AO		
MC1	7700003060	MIC F6027AP-SBC-462		
S1	2230001060	S.SWI EVQ-PUL 02K	B	4.4/17.8
S2	2260003620	S.SWI LS17C2-T	T	42.1/9.0
S3	2260003620	S.SWI LS17C2-T	T	40.8/19.0
S4	2260003620	S.SWI LS17C2-T	T	40.8/29.0
S5	2260003620	S.SWI LS17C2-T	T	42.1/39.0
EP5	6910018460	S.BEA MMZ1005Y102C-T	B	37.4/34.2
EP6	6910018460	S.BEA MMZ1005Y102C-T	B	35.8/31.6

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)  
H/V LOCATION= See the BOARD LAYOUTS for details

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1110008890	S.IC NJU7056F3-TE2-#ZZZH	T	16.9/14.1
IC2	1110008392	S.IC SC-1451A (AK2365AM-L)	T	54.7/14.5
IC3	1130009581	S.IC TC7W65FU(TE12LF)	T	49.9/22.2
IC4	1130017460	S.IC AK1542A-L	B	51.5/21.2
IC5	1110008830	S.IC NJU7058V-TE2-#ZMZH	T	43.9/36.5
IC6	1110007550	S.IC R2A20178NP	T	51.1/31.3
IC7	1180003690	S.REG NJU772F03-TE1-#ZZZB	B	53.8/29.9
IC8	1110008890	S.IC NJU7056F3-TE2-#ZZZH	B	53.3/10.4
IC9	1180004430	S.REG XC6209F502MR-G	T	24.4/24.0
IC10	1110008830	S.IC NJU7058V-TE2-#ZMZH	B	42.3/34.8
IC11	1130015760	S.IC TC74VHC4066AFK(EK)	T	51.7/42.8
IC13	1130015760	S.IC TC74VHC4066AFK(EK)	B	52.9/35.2
IC15	1110008890	S.IC NJU7056F3-TE2-#ZZZH	T	55.8/31.0
IC20	1190003700	S.IC KXCJ9-1008	B	68.5/41.0
IC21	1130011930	S.IC SN74LVC1G04DCKR	B	58.9/37.6
IC22	1110007760	S.IC AK2331P-L	B	46.2/42.3
IC23	1130019030	S.IC TC7WPB9307FKLF	B	62.6/43.5
IC401	1140018220	S.IC MB9AFAA2NPMC-G-UNE2	B	70.5/29.8
IC409	1130016621	S.IC GT24C128B-2ZLI-TR	T	74.8/37.5
IC410	1110007620	S.IC NJU7704F3-42A-TE1-#ZZZB	T	72.1/33.1
IC600	1190004850	S.IC LC703200AW-8C21-H	B	67.2/13.8
IC601	1180004750	S.REG S-1313D15-M5T1U3	T	76.6/17.1
IC602	1180004740	S.REG S-1313D33-M5T1U3	T	73.0/10.5
Q1	1560002460	S.FET RD08MUS2-T512	B	19.7/39.4
Q2	1560002420	S.FET RD01MUS2B-T513	B	31.0/39.4
Q3	1560000841	S.FET 2SK1829 (TE85RF)	B	27.5/12.1
Q4	1530004560	S.STR 2SC3356G-B-AE2-R	B	30.0/34.2
Q5	1580000731	S.FET 3SK293 (TE85LF)	B	30.5/6.4
Q6	1580000731	S.FET 3SK293 (TE85LF)	B	47.3/8.6
Q7	1530002601	S.STR 2SC4215-O (TE85RF)	T	61.3/8.0
Q8	1590004050	S.STR LDTA144EET1G	T	25.4/8.3
Q10	1530003322	S.STR 2SC5108-YLF	B	33.9/20.4
Q11	1530003322	S.STR 2SC5108-YLF	T	32.0/24.6
Q12	1530003322	S.STR 2SC5108-YLF	B	33.9/23.7
Q13	1530004011	S.STR KTC3770U-C-RTK/P	B	37.4/17.0
Q14	1530004011	S.STR KTC3770U-C-RTK/P	B	38.5/24.7
Q15	1590004070	S.STR LDTA144EET1G	T	32.7/17.5
Q16	1590004070	S.STR LDTA144EET1G	T	36.4/23.8
Q17	1530003900	S.STR KTC4075 BL-RTK/P	T	37.9/17.2
Q21	1590005220	S.STR LDTA114YET1G	T	28.5/23.3
Q22	1590005220	S.STR LDTA114YET1G	T	28.5/19.7
Q23	1520001010	S.STR 2SB1132G-R-AB3-R	T	24.8/17.9
Q24	1590003800	S.STR KTC811U-GR-RTK/P	T	27.4/15.0
Q25	1590004050	S.STR LDTA144EET1G	T	27.6/12.4
Q26	1550000090	S.FET RSQ035P03TR	T	24.4/27.4
Q27	1590004070	S.STR LDTA144EET1G	T	57.7/20.3
Q28	1590004070	S.STR LDTA144EET1G	B	25.7/16.3
	1590004070	S.STR LDTA144EET1G	[#15]	
	1590004070	S.STR LDTA144EET1G	[#16]	
	1590004070	S.STR LDTA144EET1G	[#17]	
	1590004070	S.STR LDTA144EET1G	[#19]	
Q32	1590004070	S.STR LDTA144EET1G	T	25.4/10.4
Q33	1590004070	S.STR LDTA144EET1G	T	44.6/30.5
Q34	1560001360	S.FET 2SK3019 TL	B	58.7/40.4
Q35	1590004070	S.STR LDTA144EET1G	T	42.6/18.6
Q36	1550000410	S.FET SSM3J35FS (TE85LF)	B	58.9/35.0
Q37	1590004070	S.STR LDTA144EET1G	B	59.0/30.2
Q38	1590004070	S.STR LDTA144EET1G	B	49.1/34.9
Q362	1590004390	S.STR DMG5040139R	B	50.9/40.1
Q408	1590004070	S.STR LDTA144EET1G	T	46.7/30.6
Q600	1560001360	S.FET 2SK3019 TL	T	68.8/11.7
Q601	1560001360	S.FET 2SK3019 TL	T	68.3/14.7
Q602	1590004070	S.STR LDTA144EET1G	T	65.8/14.7
D1	1790001860	S.VAR EZJ20V80010	T	15.7/9.3
D2	1750002210	S.DIO DA2S00100L	T	20.9/15.6
D3	1790001670	S.DIO RB706F-40T106	T	14.4/11.6
D4	1790001670	S.DIO RB706F-40T106	T	11.9/15.7
D6	1750002990	S.DIO BAR88-02V H6327	B	11.3/24.5
D7	1790001670	S.DIO RB706F-40T106	T	11.0/18.3
D8	1750002990	S.DIO BAR88-02V H6327	T	14.5/18.0
D9	1750002990	S.DIO BAR88-02V H6327	T	14.5/19.2
D10	1720000701	S.VAR 1SV305 (TPH3F)	B	25.4/8.4
D12	1750001810	S.DIO L1SS400T1G	B	24.7/13.2
D13	1720000701	S.VAR 1SV305 (TPH3F)	B	27.5/5.0
D15	1720000701	S.VAR 1SV305 (TPH3F)	B	36.1/6.4
D16	1750002990	S.DIO BAR88-02V H6327	B	29.1/25.1
D17	1750002210	S.DIO DA2S00100L	B	29.0/21.8
D18	1720000701	S.VAR 1SV305 (TPH3F)	B	37.2/8.0
D19	1750001771	S.VAR 1SV323H3F	B	41.0/22.9
D20	1750001771	S.VAR 1SV323H3F	B	43.0/24.6
D21	1750002860	S.VAR BBY57-02V H6327	B	45.8/18.8
D22	1750002860	S.VAR BBY57-02V H6327	B	45.8/23.6
D23	1750001771	S.VAR 1SV323H3F	B	41.8/15.2
D24	1750001771	S.VAR 1SV323H3F	B	39.9/16.1
D25	1750001771	S.VAR 1SV323H3F	B	44.6/17.7
D26	1750002280	S.DIO DB3J314FOL	T	62.4/5.2
D27	1750001810	S.DIO L1SS400T1G	B	53.4/7.1
D30	1750002230	S.DIO LRB751S-40T1G	B	60.7/41.0
D404	1750001790	S.DIO 1SS390 TE61	T	77.6/21.5
D413	1730002900	S.ZEN KDZTR9.1B	T	19.0/33.4
D414	1750003390	S.ZEN RCLAMP1521P.TCT	T	21.8/33.4
D415	1790002170	S.VAR LXES15AAA1-133	T	20.7/26.1
F11	2030001260	S.MON FL-335A (46.35 MHz)	T	53.8/6.5
X2	6050014160	S.XTA CR-978-1 (15.3 MHz)	B	53.5/25.7
X401	6050014240	S.XTA CR-1022 (7.9872 MHz)	B	78.8/18.0
X600	6050014380	S.XTA CR-1037 (8.192 MHz)	B	77.8/14.6

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

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
L1	6200014990	S.COI E3026300S5 (30N)	B	14.8/11.6
L2	6200015010	S.COI E3026405S5 (40.5N)	B	11.6/13.5
L3	6200015010	S.COI E3026405S5 (40.5N)	B	11.4/19.5
L4	6200002851	S.COI NLV25T-R82J-PF	B	8.8/22.9
L5	6200014900	S.COI E3026068S5 (6.8N)	B	11.8/30.7
L6	6200016380	S.COI LQW2BAN506J00L	T	15.2/22.3
L7	6200014920	S.COI E3026100S5 (10N)	B	14.6/35.6
L8	6200014950	S.COI E3026200S5 (20.0N)	B	24.3/34.8
L9	6200013760	S.COI MLK1005S82NJT	B	20.0/12.6
L10	6200016460	S.COI LQW2BAN47NJ00L	B	23.7/8.8
L11	6200013750	S.COI MLK1005SR10JT	B	29.4/43.3
L12	6200016460	S.COI LQW2BAN47NJ00L	B	27.5/7.6
L13	6200013760	S.COI MLK1005S82NJT	B	31.1/30.8
L14	6200009290	S.COI LQW18AN47NG00D	B	32.4/6.4
L15	6200009290	S.COI LQW18AN47NG00D	B	39.3/8.9
L16	6200016770	S.COI MLG1005S 56NJ-T	B	29.0/17.3
L17	6200016450	S.COI MLG1005S 82NJ-T	B	45.9/6.8
L18	6200016270	S.COI LQW18ANR39G00D	B	49.9/9.2
L19	6200016270	S.COI LQW18ANR39G00D	B	50.2/11.1
L21	6200013750	S.COI MLK1005SR10JT	B	33.2/18.6
L22	6200013750	S.COI MLK1005SR10JT	B	33.6/25.2
L25	6200015010	S.COI E3026405S5 (40.5N)	B	10.7/26.3
L26	6200007170	S.COI MLF1608A 3R3K-T	T	40.1/20.2
L27	6200007720	S.COI LQW2BHN33NJ03L	B	43.2/22.3
L28	6200003640	S.COI MLF1608E 100K-T	B	41.2/25.2
L29	6200008090	S.COI LQW2BHN68NJ03L	B	44.5/26.6
L30	6200006710	S.COI MLF1608E 5R6K 5.6U	T	40.1/17.6
L31	6200008090	S.COI LQW2BHN68NJ03L	B	44.7/15.6
L32	6200003640	S.COI MLF1608E 100K-T	B	40.4/18.7
L33	6200007760	S.COI LQW2BHN82NJ03L	B	43.0/19.3
L34	6200013810	S.COI MLK1005S33NJT	T	33.4/27.7
L35	6200004590	S.COI MLF1608D R18K-T	T	55.2/23.2
L36	6200004590	S.COI MLF1608D R18K-T	T	56.5/26.0
L41	6200013750	S.COI MLK1005SR10JT	T	32.0/17.3
L42	6200007170	S.COI MLF1608A 3R3K-T	T	47.5/22.2
L43	6200006710	S.COI MLF1608E 5R6K 5.6U	T	44.9/22.5
L600	6200002861	S.COI NLV25T-4R7J-PF	T	75.8/13.6
L601	6200002861	S.COI NLV25T-4R7J-PF	T	69.4/9.0
L602	6200002861	S.COI NLV25T-4R7J-PF	T	69.4/6.5
R1	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	15.7/5.7
R2	7030016060	S.RES RMC1/16S-105JTH (1 M)	T	15.4/16.1
R3	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	T	14.1/13.6
R4	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	17.7/12.6
R5	7030016200	S.RES RMC1/16S-274JTH (270 k)	T	14.0/14.9
R6	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	19.3/15.6
R7	7030015980	S.RES RMC1/16S-333JTH (33 k)	T	19.3/16.6
R8	7030016440	S.RES RMC1/16S-272JTH (2.7 k)	T	13.6/16.1
R9	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	15.0/13.6
R10	7030015950	S.RES RMC1/16S-152JTH (1.5 k)	T	12.9/13.8
R11	7030016250	S.RES RMC1/16S-220JTH (22)	B	34.1/16.2
R12	7030016440	S.RES RMC1/16S-272JTH (2.7 k)	B	11.9/16.2
R13	7030016070	S.RES RMC1/16S-474JTH (470 k)	T	16.7/11.4
R14	7030016130	S.RES RMC1/16S-150JTH (15 k)	T	19.9/14.4
R15	7030015910	S.RES RMC1/16S-101JTH (100)	T	19.1/13.2
R16	7030016250	S.RES RMC1/16S-220JTH (22)	T	34.6/20.8
R17	7030016300	S.RES RMC1/16S-332JTH (3.3 k)	B	11.7/21.8
R18	7030016370	S.RES RMC1/16S-271JTH (270)	B	6.1/19.5
R19	7030015950	S.RES RMC1/16S-152JTH (1.5 k)	T	20.7/13.2
R20	7030016370	S.RES RMC1/16S-271JTH (270)	B	6.1/20.4
R21	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	T	12.8/17.4
R22	7030016250	S.RES RMC1/16S-220JTH (22)	B	32.1/8.5
R24	7030005840	S.RES RR0510P-473-D (47 k)	T	59.5/16.7
R25	7030016030	S.RES RMC1/16S-154JTH (150 k)	T	55.7/17.7
R26	7030016120	S.RES RMC1/16S-682JTH (6.8 k)	T	24.9/34.3
R27	7030015910	S.RES RMC1/16S-101JTH (100)	B	23.7/43.2
R28	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	T	24.9/33.4
R29	7030016030	S.RES RMC1/16S-154JTH (150 k)	B	26.7/14.3
R30	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	24.0/5.8
R31	7030016140	S.RES RMC1/16S-124JTH (120 k)	B	25.8/12.7
R32	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	23.1/4.8
R33	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	33.4/36.6
R34	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	B	28.0/14.3
R35	7030015910	S.RES RMC1/16S-101JTH (100)	B	31.6/36.4
R36	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	32.2/33.4
R37	7030015980	S.RES RMC1/16S-333JTH (33 k)	B	31.6/11.5
R38	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	26.0/4.0
R39	7030016380	S.RES RMC1/16S-183JTH (18 k)	B	30.3/11.3
R40	7030016490	S.RES RMC1/16S-391JTH (390)	B	29.3/30.8
R41	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	29.1/9.2
R42	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	29.4/32.0
R43	7030015900	S.RES RMC1/16S-470JTH (47)	T	59.5/18.5
R44	7030016140	S.RES RMC1/16S-124JTH (120 k)	B	30.3/9.7
R45	7030016250	S.RES RMC1/16S-220JTH (22)	B	31.2/8.5
R46	7030015900	S.RES RMC1/16S-470JTH (47)	B	33.7/4.2
R47	7030016270	S.RES RMC1/16S-151JTH (150)	B	29.2/4.2
R48	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	34.7/7.5
R49	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	28.1/29.8
R50	7030015910	S.RES RMC1/16S-101JTH (100)	B	28.7/26.7
R51	7030015			

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
R66	7030015930	S.RES RMC1/16S-471JTH (470)	T	54.5/17.9
R67	7030016060	S.RES RMC1/16S-105JTH (1 M)	T	53.3/17.6
R68	7030016040	S.RES RMC1/16S-224JTH (220 k)	T	53.3/19.4
R69	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	51.6/17.3
R70	7030016250	S.RES RMC1/16S-220JTH (22 k)	B	33.2/17.0
R71	7030016110	S.RES RMC1/16S-473JTH (47 k)	B	34.1/18.6
R72	7030015930	S.RES RMC1/16S-471JTH (470)	B	33.6/26.1
R73	7030016130	S.RES RMC1/16S-150JTH (15)	B	37.6/20.6
R74	7030016130	S.RES RMC1/16S-150JTH (15)	B	37.3/19.7
R75	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	34.6/21.7
R76	7030016250	S.RES RMC1/16S-220JTH (22)	T	34.3/19.9
R77	7030015910	S.RES RMC1/16S-101JTH (100)	B	33.6/27.0
R78	7030016140	S.RES RMC1/16S-124JTH (120 k)	B	34.8/25.6
R79	7030008340	S.RES RR0510P-182-D (1.8 k)	B	39.5/26.8
R80	7030015910	S.RES RMC1/16S-101JTH (100)	T	48.7/7.1
R81	7030016560	S.RES RMC1/16SJPTH	B	38.2/26.8
R82	7030016130	S.RES RMC1/16S-150JTH (15)	B	37.3/18.8
R83	7030008340	S.RES RR0510P-182-D (1.8 k)	B	38.5/19.0
R84	7030009190	S.RES RR0510P-332-D (3.3 k)	B	39.4/19.3
R85	7030011000	S.RES RR0510P-392-D (3.9 k)	B	36.1/27.3
R86	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	44.3/18.4
R87	7030016280	S.RES RMC1/16S-331JTH (330)	T	35.7/25.4
R88	7030016480	S.RES RMC1/16S-821JTH (820)	T	34.6/18.0
R89	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	49.6/18.7
R90	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	43.2/21.4
R91	7030016270	S.RES RMC1/16S-151JTH (150)	T	59.1/5.0
R92	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	59.5/7.8
R93	7410001130	S.ARR EXB28V102JX	B	49.2/25.0
R94	7030016030	S.RES RMC1/16S-154JTH (150 k)	B	50.4/29.4
R95	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	43.4/15.9
R96	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	T	47.6/17.9
R97	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	51.1/18.2
R98	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	T	38.2/19.2
R99	7030015910	S.RES RMC1/16S-101JTH (100)	T	59.2/9.9
R100	7030015940	S.RES RMC1/16S-681JTH (680)	T	60.8/10.0
R101	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	55.0/32.7
R102	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	55.0/28.3
R103	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	59.0/30.0
R104	7030016220	S.RES RMC1/16S-563JTH (56 k)	T	58.1/30.5
R105	7030016000	S.RES RMC1/16S-823JTH (82 k)	T	55.4/29.2
R106	7030016390	S.RES RMC1/16S-184JTH (180 k)	T	56.6/28.6
R107	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	51.0/26.6
R108	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	51.6/28.9
R109	7030015910	S.RES RMC1/16S-101JTH (100)	T	34.6/27.3
R110	7030016340	S.RES RMC1/16S-393JTH (39 k)	T	42.3/23.1
R111	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	50.4/25.5
R113	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	T	50.0/26.1
R115	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	T	55.0/27.2
R116	7030016240	S.RES RMC1/16S-684JTH (680 k)	T	55.4/25.5
R117	7030016190	S.RES RMC1/16S-273JTH (27 k)	B	52.7/18.2
R118	7030016560	S.RES RMC1/16SJPTH	B	54.2/18.1
R119	7030016560	S.RES RMC1/16SJPTH	T	54.2/25.2
R120	7030015930	S.RES RMC1/16S-471JTH (470)	T	53.4/28.6
R121	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	39.7/39.9
R122	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	37.3/36.6
R124	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	B	39.2/38.1
R125	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	B	37.3/38.5
R126	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	B	37.3/37.6
R127	7030016110	S.RES RMC1/16S-473JTH (47 k)	B	37.5/39.7
R128	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	40.8/38.1
R130	7030016180	S.RES RMC1/16S-680JTH (68)	B	27.7/34.5
R131	7030016470	S.RES RMC1/16S-390JTH (39)	B	29.4/42.4
R132	7030016030	S.RES RMC1/16S-154JTH (150 k)	B	44.5/39.0
R133	7030016070	S.RES RMC1/16S-474JTH (470 k)	T	37.3/34.7
R134	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	39.3/37.2
R135	7030016220	S.RES RMC1/16S-563JTH (56 k)	B	42.4/38.1
R136	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	51.6/39.5
R139	7030016330	S.RES RMC1/16S-153JTH (15 k)	B	44.0/38.1
R140	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	47.0/35.0
R141	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	46.0/38.0
R142	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	47.0/36.8
R143	7030016380	S.RES RMC1/16S-183JTH (18 k)	B	48.2/36.6
R145	7030016230	S.RES RMC1/16S-394JTH (390 k)	B	39.5/31.5
R146	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	37.6/30.3
R148	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	T	38.9/38.1
R149	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	37.3/35.6
R150	7030016020	S.RES RMC1/16S-104JTH (100 k) [#11]	T	39.0/39.0
	7030016020	S.RES RMC1/16S-104JTH (100 k) [#12]		
	7030016390	S.RES RMC1/16S-184JTH (180 k) [#15]		
	7030016390	S.RES RMC1/16S-184JTH (180 k) [#16]		
	7030016390	S.RES RMC1/16S-184JTH (180 k) [#17]		
	7030016390	S.RES RMC1/16S-184JTH (180 k) [#19]		
R151	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	T	38.1/39.9
R152	7030016040	S.RES RMC1/16S-224JTH (220 k)	T	39.3/40.2
R153	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	39.3/35.3
R154	7030015980	S.RES RMC1/16S-333JTH (33 k)	T	40.3/32.3
R155	7030016140	S.RES RMC1/16S-124JTH (120 k)	T	39.4/32.3
R156	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	T	47.4/39.8
R157	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	38.5/33.1
R158	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	T	49.6/39.4
R159	7030016300	S.RES RMC1/16S-332JTH (3.3 k)	T	48.3/39.1
R160	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	49.6/38.5
R161	7030015980	S.RES RMC1/16S-333JTH (33 k)	B	42.5/31.3
R162	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	37.6/31.5
R163	7030016110	S.RES RMC1/16S-473JTH (47 k)	B	48.2/33.2
R165	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	24.7/21.7
R166	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	T	25.6/13.9
R167	7030016200	S.RES RMC1/16S-274JTH (27 k)	T	23.5/29.6
R168	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	25.1/29.6
R171	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	74.1/18.2
R172	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	80.6/31.8
R173	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	80.8/33.0
R174	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	80.6/29.4
R175	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	55.0/38.2
R176	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	54.1/38.2

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

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
R177	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	80.6/30.3
R178	7030015990	S.RES RMC1/16S-683JTH (68 k)	B	50.9/42.2
R179	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	49.3/38.1
R180	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	53.4/39.8
R181	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	54.8/40.2
R182	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	53.9/42.2
R183	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	53.0/42.2
R184	7030016330	S.RES RMC1/16S-153JTH (15 k)	B	52.7/38.4
R185	7030016300	S.RES RMC1/16S-332JTH (3.3 k)	B	51.1/38.4
R186	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	51.2/42.2
R187	7030016190	S.RES RMC1/16S-273JTH (27 k)	T	41.1/21.9
R188	7030015940	S.RES RMC1/16S-681JTH (680)	T	39.3/34.4
R189	7030016030	S.RES RMC1/16S-154JTH (150 k)	T	45.0/41.6
R190	7510001730	S.THE ERTJ0EP 473J	B	53.5/14.9
R191	7030016800	S.RES RMC1/16SK104FTH (100 k)	B	52.3/14.5
R192	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	T	29.6/16.5
R193	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	65.8/39.6
R194	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	65.8/40.5
R195	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	65.8/41.4
R196	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	65.8/42.3
R197	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	76.0/39.6
R198	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	77.2/40.2
R201	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	54.5/12.3
R202	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	55.0/10.4
R203	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	54.5/8.2
R214	7030016190	S.RES RMC1/16S-273JTH (27 k)	T	46.8/41.6
R215	7030016380	S.RES RMC1/16S-183JTH (18 k)	T	47.3/42.8
R217	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	59.0/43.7
R218	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	59.9/43.7
R219	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	23.4/8.3
R220	7030016040	S.RES RMC1/16S-224JTH (220 k)	T	23.4/10.4
R221	7030016360	S.RES RMC1/16S-123JTH (12 k)	B	70.8/41.9
R222	7030016090	S.RES RMC1/16S-223JTH (22 k)	B	69.3/43.3
R224	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	65.4/43.8
R225	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	67.6/43.3
R230	7030016320	S.RES RMC1/16S-225JTH (2.2 M)	B	60.7/35.6
R231	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	60.7/37.5
R232	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	58.2/32.2
R233	7030016110	S.RES RMC1/16S-473JTH (47 k)	B	59.4/31.7
R235	7030016540	S.RES RMC1/16SK334FTH (330 k)	T	27.0/27.4
R236	7030016550	S.RES RMC1/16SK154FTH (150 k)	T	28.6/27.7
R304	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	44.1/30.4
R308	7030016110	S.RES RMC1/16S-473JTH (47 k)	B	62.3/41.7
R309	7030015930	S.RES RMC1/16S-471JTH (470)	B	48.8/39.9
R310	7030016230	S.RES RMC1/16S-394JTH (390 k)	B	48.8/41.6
R311	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	50.0/43.4
R426	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	46.5/30.4
R427	7030016340	S.RES RMC1/16S-393JTH (39 k)	B	46.2/31.6
R428	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	B	48.3/30.6
R429	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	47.0/33.9
R432	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	47.0/32.8
R461	7030016220	S.RES RMC1/16S-563JTH (56 k)	T	52.5/36.1
R464	7030016330	S.RES RMC1/16S-153JTH (15 k)	T	52.5/37.0
R465	7030016120	S.RES RMC1/16S-682JTH (6.8 k)	T	51.3/37.3
R466	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	50.7/36.0
R467	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	49.5/35.1
R468	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	48.7/36.1
R469	7030015960	S.RES RMC1/16S-472JTH (4.7 k)	T	47.4/33.5
R470	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	46.5/32.6
R471	7030015980	S.RES RMC1/16S-333JTH (33 k)	T	41.8/31.3
R492	7030016560	S.RES RMC1/16SJPTH	T	78.2/39.9
R493	7030016360	S.RES RMC1/16S-123JTH (12 k)	T	79.6/22.3
R494	7030016360	S.RES RMC1/16S-123JTH (12 k)	T	77.5/22.8
R495	7030016090	S.RES RMC1/16S-223JTH (22 k)	T	78.4/22.8
R496	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	79.4/37.0
R497	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	79.4/39.1
R498	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	72.1/35.1
R499	7030016560	S.RES RMC1/16SJPTHOnly #11	T	57.9/26.8
R506	7030016820	S.RES RGC1/16SC33		

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
R622	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	76.0/10.8
R623	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	76.9/10.8
R624	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	77.8/10.8
R662	7540000460	S.ABS EZAEG1N50AC	T	7.8/26.7
R663	7540000460	S.ABS EZAEG1N50AC	T	7.8/23.3
R664	7540000460	S.ABS EZAEG1N50AC	T	11.9/19.9
C2	4030023010	S.CER 0402B104K160CT	T	16.3/16.1
C3	4030022660	S.CER 0402N120J500CT	B	16.5/12.2
C4	4030023090	S.CER 0402B102K500CT	T	12.5/11.5
C5	4030022630	S.CER 0402N100C500CT	B	13.0/11.5
C6	4030022140	S.CER GRM033B31H102KA12D	T	20.9/17.1
C7	4030022610	S.CER 0402N0R3B500CT	B	17.7/11.7
C8	4030022860	S.CER 0402N470J500CT	T	14.5/16.1
C9	4030022680	S.CER 0402N150J500CT	B	11.8/11.8
C10	4030023090	S.CER 0402B102K500CT	T	27.0/8.2
C11	4030022570	S.CER 0402N6R0C500CT	B	11.8/15.3
C12	4030023090	S.CER 0402B102K500CT	T	11.3/13.8
C13	4030023010	S.CER 0402B104K160CT	T	17.2/16.1
C14	4030022680	S.CER 0402N150J500CT	B	10.6/15.8
C15	4030022620	S.CER 0402N0R5B500CT	B	13.1/15.5
C16	4030022680	S.CER 0402N150J500CT	B	11.0/17.1
C17	4030024500	S.CER C1005 JB 1C 224K-T	T	16.7/12.3
C19	4030022550	S.CER 0402N4R0B500CT	B	9.7/19.5
C20	4030022810	S.CER 0402N330J500CT	B	9.3/20.7
C21	4030023010	S.CER 0402B104K160CT	T	19.0/14.4
C22	4030023090	S.CER 0402B102K500CT	B	12.1/23.1
C23	4030022140	S.CER GRM033B31H102KA12D	T	21.0/14.1
C24	4030022620	S.CER 0402N0R5B500CT	B	11.2/23.1
C25	4030022750	S.CER 0402N221J500CT	B	7.7/20.4
C26	4030023090	S.CER 0402B102K500CT	B	9.3/24.6
C27	4030022770	S.CER 0402N270J500CT	B	8.3/27.1
C28	4030022740	S.CER 0402N220J500CT	B	11.7/28.0
C29	4030023090	S.CER 0402B102K500CT	T	20.7/12.3
C30	4030022760	S.CER 0402N240J500CT	B	11.7/28.9
C31	4030022840	S.CER 0402N390J500CT	B	10.4/29.7
C33	4030022800	S.CER 0402N300J500CT	B	12.8/32.9
C34	4030022810	S.CER 0402N330J500CT	B	14.0/34.0
C35	4030022680	S.CER 0402N150J500CT	T	14.7/20.2
C38	4030023090	S.CER 0402B102K500CT	B	25.3/42.3
C39	4030023700	S.CER 0603N390J500CT	B	15.0/37.5
C40	4030022860	S.CER 0402N470J500CT	B	25.3/43.2
C41	4030023090	S.CER 0402B102K500CT	B	22.5/12.9
C42	4030022570	S.CER 0402N6R0C500CT	B	21.2/12.2
C43	4030023090	S.CER 0402B102K500CT	T	12.8/19.0
C44	4030022750	S.CER 0402N221J500CT	B	26.5/35.8
C45	4030022630	S.CER 0402N100C500CT	B	22.5/11.8
C46	4030022640	S.CER 0402N101J500CT	B	24.6/6.7
C48	4030023090	S.CER 0402B102K500CT	B	26.5/34.9
C49	4030020000	S.CER C1005 JB 1A 105K-T	T	24.9/31.6
C51	4030022560	S.CER 0402N5R0B500CT	B	22.5/10.9
C54	4030023090	S.CER 0402B102K500CT	B	33.4/35.7
C55	4030020000	S.CER C1005 JB 1A 105K-T	B	25.8/14.3
C56	4030020000	S.CER C1005 JB 1A 105K-T	B	26.5/34.0
C57	4030022640	S.CER 0402N101J500CT	B	25.6/44.2
C58	4030023090	S.CER 0402B102K500CT	B	22.4/5.8
C60	4030023030	S.CER 0402B103K250CT	B	33.4/34.8
C61	4030022860	S.CER 0402N470J500CT	T	24.9/32.5
C62	4030022530	S.CER 0402N2R0B500CT	B	26.8/9.2
C63	4030023010	S.CER 0402B104K160CT	B	27.7/4.0
C64	4030023090	S.CER 0402B102K500CT	B	21.9/4.4
C65	4030023090	S.CER 0402B102K500CT	B	27.0/42.3
C67	4030022590	S.CER 0402N8R0C500CT	B	28.1/6.1
C68	4030021240	S.CER C1005 JB 1C 105K-T	B	28.2/42.8
C71	4030023010	S.CER 0402B104K160CT	B	29.4/11.3
C72	4030022640	S.CER 0402N101J500CT	B	25.8/5.3
C74	4030023010	S.CER 0402B104K160CT	B	29.1/10.1
C75	4030023090	S.CER 0402B102K500CT	B	31.6/9.7
C76	4030022700	S.CER 0402N180J500CT	B	32.0/35.2
C77	4030022560	S.CER 0402N5R0B500CT	B	29.9/8.2
C78	4030023010	S.CER 0402B104K160CT	B	31.6/10.6
C79	4030022620	S.CER 0402N0R5B500CT	B	31.0/32.0
C82	4030022860	S.CER 0402N470J500CT	B	31.0/4.2
C83	4030020000	S.CER C1005 JB 1A 105K-T	B	33.4/5.9
C84	4030022860	S.CER 0402N470J500CT	B	27.7/32.5
C85	4030023090	S.CER 0402B102K500CT	B	34.6/4.2
C86	4030023090	S.CER 0402B102K500CT	B	30.1/4.2
C87	4030022680	S.CER 0402N150J500CT	B	30.2/30.8
C88	4030023090	S.CER 0402B102K500CT	B	27.7/31.6
C89	4030022640	S.CER 0402N101J500CT	B	36.1/4.2
C90	4030023090	S.CER 0402B102K500CT	B	32.8/4.2
C91	4030023090	S.CER 0402B102K500CT	B	28.0/25.5
C92	4030022550	S.CER 0402N4R0B500CT	B	34.8/6.3
C93	4030023010	S.CER 0402B104K160CT	B	38.0/4.2
C94	4030022750	S.CER 0402N221J500CT	B	38.9/4.2
C95	4030022860	S.CER 0402N470J500CT	B	31.9/4.2
C96	4030023030	S.CER 0402B103K250CT	B	34.0/8.7
C97	4030022790	S.CER 0402N2R5B500CT	B	36.8/1.4
C98	4030023090	S.CER 0402B102K500CT	B	37.1/4.2
C99	4030023090	S.CER 0402B102K500CT	B	27.7/21.0
C100	4030022570	S.CER 0402N6R0C500CT	B	38.3/8.4
C101	4030022680	S.CER 0402N150J500CT	B	29.0/18.9
C102	4030022680	S.CER 0402N150J500CT	B	27.5/17.7
C103	4030022640	S.CER 0402N101J500CT	B	38.6/7.1
C104	4030022560	S.CER 0402N5R0B500CT	B	42.4/9.4
C105	4030022740	S.CER 0402N220J500CT	B	27.5/16.8
C106	4030022580	S.CER 0402N7R0C500CT	B	45.5/8.0
C107	4030022860	S.CER 0402N470J500CT	B	48.9/6.5
C108	4030023090	S.CER 0402B102K500CT	B	47.7/6.0
C109	4030023090	S.CER 0402B102K500CT	B	46.4/5.6
C110	4030022860	S.CER 0402N470J500CT	B	45.5/5.6
C111	4030023030	S.CER 0402B103K250CT	B	44.6/10.6
C112	4030022680	S.CER 0402N150J500CT	B	49.2/10.6
C114	4030023090	S.CER 0402B102K500CT	B	46.5/10.6

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

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
C115	4030023090	S.CER 0402B102K500CT	B	45.5/10.6
C116	4030022860	S.CER 0402N470J500CT	B	47.4/10.6
C117	4030023030	S.CER 0402B103K250CT	B	50.7/7.7
C119	4030023090	S.CER 0402B102K500CT	B	29.5/23.4
C121	4030023090	S.CER 0402B102K500CT	T	28.7/12.8
C122	4030023030	S.CER 0402B103K250CT	T	27.2/21.8
C123	4030023030	S.CER 0402B103K250CT	T	28.7/24.8
C124	4030023090	S.CER 0402B102K500CT	T	24.7/13.9
C125	4030019560	S.CER GRM21BB31C106KE15L	T	23.3/13.7
C126	4030023200	S.CER 0402B471K500CT	T	25.9/12.7
C127	4030023030	S.CER 0402B103K250CT	T	25.9/11.8
C128	4030020000	S.CER C1005 JB 1A 105K-T	T	27.0/25.1
C129	4030021240	S.CER C1005 JB 1C 105K-T	T	27.0/26.0
C130	4030019560	S.CER GRM21BB31C106KE15L	T	22.3/21.5
C140	4030023010	S.CER 0402B104K160CT	B	54.7/16.0
C141	4030023090	S.CER 0402B102K500CT	B	54.7/16.9
C149	4030023090	S.CER 0402B102K500CT	T	60.8/6.2
C150	4030023010	S.CER 0402B104K160CT	B	52.3/15.5
C151	4030023010	S.CER 0402B104K160CT	B	47.6/39.6
C152	4030022860	S.CER 0402N470J500CT	B	49.4/27.3
C153	4030022860	S.CER 0402N470J500CT	B	48.5/27.3
C154	4030023010	S.CER 0402B104K160CT	B	48.8/29.4
C155	4030023090	S.CER 0402B102K500CT	T	47.7/23.7
C156	4030023090	S.CER 0402B102K500CT	B	52.0/27.7
C158	4030020000	S.CER C1005 JB 1A 105K-T	B	54.7/27.7
C159	4030020000	S.CER C1005 JB 1A 105K-T	B	54.7/19.3
C160	4030022520	S.CER 0402N1R0B500CT	T	48.9/5.9
C161	4030022680	S.CER 0402N150J500CT	T	55.4/8.9
C162	4030023090	S.CER 0402B102K500CT	T	59.5/6.2
C163	4030023030	S.CER 0402B103K250CT	T	59.2/9.0
C164	4030022640	S.CER 0402N101J500CT	T	60.8/10.9
C165	4030023090	S.CER 0402B102K500CT	T	58.0/9.5
C166	4030023010	S.CER 0402B104K160CT	T	53.4/27.0
C167	4030023030	S.CER 0402B103K250CT	T	54.2/26.1
C168	4030022630	S.CER 0402N100C500CT	T	52.6/26.0
C169	4030022880	S.CER 0402N560J500CT	T	55.1/24.3
C170	4030022570	S.CER 0402N6R0C500CT	T	56.9/23.9
C171	4030022880	S.CER 0402N560J500CT	T	54.8/22.2
C172	4030022640	S.CER 0402N101J500CT	T	56.4/22.2
C173	4030022640	S.CER 0402N101J500CT	T	56.0/11.0
C174	4030020000	S.CER C1005 JB 1A 105K-T	T	55.1/11.0
C175	4030020000	S.CER C1005 JB 1A 105K-T	T	54.2/11.0
C176	4030024500	S.CER C1005 JB 1C 224K-T	T	53.3/11.0
C177	4030023090	S.CER 0402B102K500CT	T	52.4/11.0
C178	4030019560	S.CER GRM21BB31C106KE15L	T	50.1/11.0
C179	4030023010	S.CER 0402B104K160CT	T	51.5/11.0
C180	4030024500	S.CER C1005 JB 1C 224K-T	T	57.9/14.7
C181	4030019560	S.CER GRM21BB31C106KE15L	T	57.8/17.3
C182	4030022860	S.CER 0402N470J500CT	T	50.9/15.0
C183	4030022940	S.CER 0402B104K100CT	T	59.5/17.6
C184	4030023180	S.CER 0402B391K500CT	T	56.3/18.9
C185	4030023180	S.CER 0402B391K500CT	T	55.4/18.9
C186	4030023090	S.CER 0402B102K500CT	T	54.5/19.5
C187	4030023090	S.CER 0402B102K500CT	T	53.3/18.5
C188	4030023090	S.CER 0402B102K500CT	T	51.6/16.4
C189	4030023150	S.CER 0402B272K500CT	T	55.4/20.5
C190	4030023030	S.CER 0402B103K250CT	B	51.0/20.5
C191	4030023010	S.CER 0402B104K160CT	B	52.9/12.3
C192	4030023030	S.CER 0402B103K250CT	B	52.9/8.2
C196	4030023040	S.CER 0402B123K250CT	T	51.2/39.4
C197	4030023040	S.CER 0402B123K250CT	T	52.4/39.3
C198	4030020000	S.CER C1005 JB 1A 105K-T	T	48.3/40.7
C199	4030022860	S.CER 0402N470J500CT	T	57.5/28.8
C200	4030023010	S.CER 0402B104K160CT	T	53.8/35.6
C201	4030020450	S.CER C1005 JB 0J 475M-T	T	53.8/33.7
C202	4030020000	S.CER C1005 JB 1A 105K-T	B	54.9/33.9
C204	4030022640	S.CER 0402N101J500CT	B	54.5/20.5
C210	4030024500	S.CER C1005 JB 1C 224K-T	B	54.5/22.1
C211	4030020000	S.CER C1005 JB 1A 105K-T	T	37.7/37.6
C212	4030023230	S.CER 0402B562K500CT	T	38.1/40.8
C213	4030022670	S.CER 0402N121J500CT	T	39.8/33.3
C214	4030023010	S.CER 0402B104K160CT	T	37.7/35.5
C215	4030023070	S.CER 0402B223K250CT	T	37.7/34.4
C216	4030023210	S.CER 0402B472K500CT	T	43.0/31.5
C217	4030020000	S.CER C1005 JB 1A 105K-T	B	59.4/32.6
C218	4030023010	S.CER 0402B104K160CT	T	45.5/42.8
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[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
C256	4030020000	S.CER C1005 JB 1A 105K-T	B	45.3/39.9
C257	4030023230	S.CER 0402B562K500CT	B	41.3/30.8
C258	4030023210	S.CER 0402B472K500CT	B	39.2/30.3
C260	4550007550	S.TAN F931V334MAABMA	T	45.2/13.7
C261	4030023090	S.CER 0402B102K500CT	T	52.1/22.6
C262	4030023090	S.CER 0402B102K500CT	T	47.9/19.6
C264	4550007390	S.TAN F931C225MAABMA	T	47.3/14.5
C265	4030023030	S.CER 0402B103K250CT	T	36.9/19.6
C266	4030019560	S.CER GRM21BB31C106KE15L	T	38.3/21.3
C267	4550007550	S.TAN F931V334MAABMA	T	43.1/12.9
C268	4030022860	S.CER 0402N470J500CT	T	40.8/15.5
C269	4030023090	S.CER 0402B102K500CT	T	41.7/15.4
C270	4030022600	S.CER 0402N9R0C500CT	B	42.1/26.5
C271	4030022810	S.CER 0402N330J500CT	B	44.5/24.6
C272	4030022550	S.CER 0402N4R0B500CT	B	43.0/27.5
C273	4030023090	S.CER 0402B102K500CT	T	46.8/23.7
C274	4030022810	S.CER 0402N330J500CT	B	46.0/26.3
C275	4030022770	S.CER 0402N270J500CT	B	41.0/27.9
C276	4030022770	S.CER 0402N270J500CT	B	37.3/26.8
C277	4030022770	S.CER 0402N270J500CT	B	36.1/26.2
C278	4030023090	S.CER 0402B102K500CT	B	40.7/26.2
C279	4030023200	S.CER 0402B471K500CT	B	39.0/22.1
C280	4030023090	S.CER 0402B102K500CT	T	43.5/22.8
C281	4030020000	S.CER C1005 JB 1A 105K-T	T	42.3/21.4
C282	4030022860	S.CER 0402N470J500CT	T	41.4/23.1
C283	4030023090	S.CER 0402B102K500CT	T	42.4/17.1
C284	4030023090	S.CER 0402B102K500CT	T	42.8/20.2
C285	4030023110	S.CER 0402B152K500CT	T	44.3/19.3
C286	4030022580	S.CER 0402N7R0C500CT	B	41.5/18.4
C287	4030022550	S.CER 0402N4R0B500CT	B	41.0/16.5
C288	4030022550	S.CER 0402N4R0B500CT	B	42.3/16.3
C289	4030022880	S.CER 0402N560J500CT	B	42.3/17.2
C290	4030022520	S.CER 0402N1R0B500CT	B	44.6/19.8
C291	4030022590	S.CER 0402N8R0C500CT	B	41.5/20.1
C292	4030023010	S.CER 0402B104K160CT	T	45.9/23.1
C293	4030020000	S.CER C1005 JB 1A 105K-T	T	52.1/24.3
C294	4030022810	S.CER 0402N330J500CT	B	45.1/21.0
C295	4030022900	S.CER 0402N680J500CT	B	40.3/20.5
C296	4030022760	S.CER 0402N240J500CT	B	37.1/21.5
C297	4030022810	S.CER 0402N330J500CT	B	35.5/18.6
C298	4030023090	S.CER 0402B102K500CT	B	38.3/15.3
C299	4030023010	S.CER 0402B104K160CT	B	36.7/15.3
C300	4030023090	S.CER 0402B102K500CT	T	34.6/17.1
C301	4030022620	S.CER 0402N0R5B500CT	B	36.6/22.8
C302	4030023090	S.CER 0402B102K500CT	T	37.8/24.0
C303	4030024490	S.CER 0402NR75B500CT	B	36.6/24.4
C304	4030023090	S.CER 0402B102K500CT	B	34.8/27.4
C305	4030023090	S.CER 0402B102K500CT	B	33.6/27.9
C306	4030023090	S.CER 0402B102K500CT	B	34.5/15.0
C307	4030023090	S.CER 0402B102K500CT	B	34.4/17.4
C308	4030022580	S.CER 0402N7R0C500CT	B	34.1/22.3
C309	4030022540	S.CER 0402N3R0B500CT	T	34.6/22.6
C310	4030023090	S.CER 0402B102K500CT	T	33.9/23.7
C311	4030023090	S.CER 0402B102K500CT	B	35.5/20.9
C312	4030022630	S.CER 0402N100C500CT	T	31.6/26.0
C313	4030022660	S.CER 0402N120J500CT	T	32.2/27.2
C315	4030022660	S.CER 0402N120J500CT	T	35.5/27.3
C316	4030023090	S.CER 0402B102K500CT	T	36.7/26.9
C321	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/45.5
C322	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/44.9
C323	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/44.3
C324	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/43.7
C355	4030023010	S.CER 0402B104K160CT	B	59.1/33.5
C356	4030023010	S.CER 0402B104K160CT	B	49.0/38.2
C357	4030022740	S.CER 0402N220J500CT	B	44.1/31.3
C358	4030020000	S.CER C1005 JB 1A 105K-T	B	48.8/43.2
C360	4030022120	S.CER GRM0332C1H470JA01D	T	56.2/33.8
C361	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/43.1
C362	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/42.5
C363	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/41.9
C364	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/41.3
C365	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/40.7
C366	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/40.1
C367	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/39.5
C368	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/38.9
C369	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/38.3
C370	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/37.7
C371	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/37.1
C372	4030022120	S.CER GRM0332C1H470JA01D	T	56.0/36.5
C373	4030022120	S.CER GRM0332C1H470JA01D	T	54.9/35.1
C374	4030022120	S.CER GRM0332C1H470JA01D	T	56.5/32.9
C376	4030023010	S.CER 0402B104K160CT	T	51.9/34.9
C377	4030023010	S.CER 0402B104K160CT	T	59.9/30.4
C378	4030023000	S.CER 0402B683K100CT	T	72.1/31.2
C412	4030023010	S.CER 0402B104K160CT	T	79.6/23.2
C413	4030024500	S.CER C1005 JB 1C 224K-T	T	76.6/22.8
C414	4030022640	S.CER 0402N101J500CT	T	79.2/21.1
C416	4030022660	S.CER 0402N120J500CT	B	79.8/20.0
C417	4030022680	S.CER 0402N150J500CT	B	78.2/20.0
C421	4030020000	S.CER C1005 JB 1A 105K-T	B	45.3/30.8
C423	4030024520	S.CER C1005 JB 1C 474K-T	B	47.1/31.6
C426	4030023010	S.CER 0402B104K160CT	B	48.4/31.5
C441	4030023060	S.CER 0402B183K250CT	T	50.2/37.3
C442	4030023010	S.CER 0402B104K160CT	T	48.3/34.9
C443	4030023100	S.CER 0402B122K500CT	T	49.1/37.3
C444	4030023010	S.CER 0402B104K160CT	T	45.6/32.6
C445	4030019560	S.CER GRM21BB31C106KE15L	T	43.4/32.9
C451	4030023030	S.CER 0402B103K250CT	B	60.7/23.1
C452	4030023010	S.CER 0402B104K160CT	B	59.8/23.1
C453	4030019560	S.CER GRM21BB31C106KE15L	B	79.0/38.1
C454	4030023010	S.CER 0402B104K160CT	T	75.3/21.3
C455	4030019560	S.CER GRM21BB31C106KE15L	T	76.1/19.9
C456	4030023030	S.CER 0402B103K250CT	B	80.8/34.2
C457	4030023010	S.CER 0402B104K160CT	B	80.8/35.1
C458	4030019560	S.CER GRM21BB31C106KE15L	T	79.0/35.3

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION	
C459	4030022980	S.CER 0402B473K100CT	B	80.6/36.0	
C460	4030023090	S.CER 0402B102K500CT	B	62.3/39.9	
C461	4030023010	S.CER 0402B104K160CT	B	64.0/39.9	
C462	4030023010	S.CER 0402B104K160CT	T	75.3/22.2	
C463	4030023090	S.CER 0402B102K500CT	T	75.3/23.1	
C473	4030023030	S.CER 0402B103K250CT	T	48.9/43.7	
C474	4030024510	S.CER C1608 JB 1A 475K-T	B	54.2/32.2	
C492	4030023090	S.CER 0402B102K500CT	T	76.6/39.9	
C555	4030022120	S.CER GRM0332C1H470JA01D	T	7.8/27.9	
C557	4030022120	S.CER GRM0332C1H470JA01D	T	7.8/22.0	
C561	4030022140	S.CER GRM0333B1H102KA12D	T	10.8/19.9	
C563	4030023090	S.CER 0402B102K500CT	T	14.0/29.8	
C564	4030023090	S.CER 0402B102K500CT	T	14.0/30.7	
C567	4030019560	S.CER GRM21BB31C106KE15L	T	16.0/26.5	
C568	4030022700	S.CER 0402N180J500CT	B	25.9/18.9	
		4030022700	S.CER 0402N180J500CT	[#15]	
		4030022700	S.CER 0402N180J500CT	[#16]	
		4030022700	S.CER 0402N180J500CT	[#17]	
		4030022700	S.CER 0402N180J500CT	[#18]	
C569	4030022770	S.CER 0402N270J500CT	B	26.8/18.9	
		4030022770	S.CER 0402N270J500CT	[#15]	
		4030022770	S.CER 0402N270J500CT	[#16]	
		4030022770	S.CER 0402N270J500CT	[#17]	
		4030022770	S.CER 0402N270J500CT	[#19]	
C600	4030019560	S.CER GRM21BB31C106KE15L	T	79.2/16.0	
C601	4030023010	S.CER 0402B104K160CT	T	78.8/14.0	
C602	4030023010	S.CER 0402B104K160CT	T	77.6/14.7	
C603	4030023010	S.CER 0402B104K160CT	T	75.3/11.0	
C604	4030023010	S.CER 0402B104K160CT	T	70.5/4.7	
C605	4030023010	S.CER 0402B104K160CT	B	64.9/5.2	
C606	4030024520	S.CER C1005 JB 1C 474K-T	B	62.4/5.2	
C607	4030024520	S.CER C1005 JB 1C 474K-T	B	63.3/5.2	
C608	4030023010	S.CER 0402B104K160CT	T	73.5/13.4	
C609	4030023010	S.CER 0402B104K160CT	T	72.2/13.9	
C610	4030023010	S.CER 0402B104K160CT	T	72.2/13.0	
C611	4030019560	S.CER GRM21BB31C106KE15L	T	73.4/19.9	
C612	4030023010	S.CER 0402B104K160CT	T	71.1/16.2	
C613	4030023010	S.CER 0402B104K160CT	T	70.1/15.4	
C614	4030023010	S.CER 0402B104K160CT	T	72.0/16.2	
C615	4030023170	S.CER 0402B332K500CT	B	75.2/19.1	
C616	4030022960	S.CER 0402B333K100CT	B	76.6/20.0	
C617	4030023010	S.CER 0402B104K160CT	T	64.8/11.1	
C618	4030023010	S.CER 0402B104K160CT	T	69.8/13.5	
C619	4030023010	S.CER 0402B104K160CT	T	71.0/14.5	
C620	4030020000	S.CER C1005 JB 1A 105K-T	T	62.8/13.0	
C621	4030019560	S.CER GRM21BB31C106KE15L	T	64.8/8.2	
C622	4030023010	S.CER 0402B104K160CT	B	59.2/12.8	
C623	4030023010	S.CER 0402B104K160CT	B	58.3/12.8	
C624	4030022630	S.CER 0402N100C500CT	B	76.4/12.6	
C625	4030022630	S.CER 0402N100C500CT	B	75.4/14.9	
J1	6510030920	S.CON IMSA-9681S-24Y901	T	59.4/38.5	
J404	6510032530	S.CON 04-6299-004-020-846+	T	11.3/22.5	
F401	5210001160	S.FUS ERBRE3R00V	T	18.4/31.5	
S401	2250001060	ENC ED089070SU16.2S7C-2040			
EP1	6910014730	S.BEA MPZ2012S331A-T	B	25.9/31.9	
EP2	6910018460	S.BEA MMZ1005Y102C-T	B	27.0/43.2	
EP3	6910018460	S.BEA MMZ1005Y102C-T	B	46.3/11.8	
EP4	6910018460	S.BEA MMZ1005Y102C-T	B	38.5/23.0	
EP5	6910018460	S.BEA MMZ1005Y102C-T	B	53.5/16.5	
EP13	6910020910	S.BEA MPZ1608S300AT	T	58.5/11.5	
EP422	6910021240	S.BEA MMZ1005A152ET	T	20.7/27.0	
EP423	6910014730	S.BEA MPZ2012S331A-T	T	15.6/29.4	
EP424	6910014730	S.BEA MPZ2012S331A-T	T	19.0/21.5	
EP425	6910021240	S.BEA MMZ1005A152ET	B	64.0/40.8	

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)  
H/V LOCATION= See the BOARD LAYOUTS for details

# SECTION 6

# MECHANICAL PARTS

## [CHASSIS PARTS]

REF NO.	PART NO.	DESCRIPTION	QTY.
J1	6910021492	ANT CONNECTOR 106-2	1
SP1	2510002080	036D01206	1
W1	8920001910	CAB-1219	1
W2	8910000570	FFC-1061 (P0.5N24L90)	1
EP1	8940000020	3766 CONNECTOR P.C.B	1
EP2	8940000090	3877 VOL P.C.B	1
MP1	8210033312	3877 FRONT PANEL (A) ASSEMBLY-2	1
MP4	8930093460	3766 LENS	1
MP5	8930083680	O-RING (CM) (TOT)	1
MP6	8930070011	2893 VOL RUBBER-1 (TOT)	1
MP7	8930097360	3877 WINDOW SHEET	1
MP8	8310091550	3877 WINDOW PLATE (C)	1
MP9	8930098380	3877 KEYBOARD (B) (SC)	1
		[#11]	1
		[#12]	1
		[#15]	1
		[#16]	1
		[#17]	1
		[#19]	1
MP10	8930095290	3766 VENT SHEET	1
MP11	8930093570	3766 MIC RUBBER (TOP)	1
MP13	8930097220	3699 SP HOLDER	1
MP14	8810009181	BT M2x5 NI-ZC3	2
MP16	8930095070	INSULATION SHEET (NW)	1
MP17	8930093591	3766 CONNECTOR SHEET-1	1
MP18	8950009011	3766 14-PIN CONNECTOR-1	1
MP19	8930093580	3766 CONNECTOR SEAL	1
MP24	8810009181	BT M2x5 NI-ZC3	2
MP31	8010024300	3972 CHASSIS	1
MP32	8930097410	THERMAL SHEET (DH) TC-100CAT-20 6x6	2
MP33	8930098620	SHIELD SPONGE (EO)	1
MP34	8930098630	SHIELD SPONGE (EP)	1
MP35	8930085880	SHIELD SPONGE (DA)	1
MP36	8850003421	SEALING WASHER (AA)-1 (TOT)	1
MP37	8810011050	BT O M2x3 NI-ZC3	1
MP38	8830001470	VRNUT (N)	1
MP39	8830004310	VR NUT (AI)	1
MP40	8930074350	O-RING (BW) (TOP)	1
MP41	8930088050	O-RING (CS) (TOT)	1
MP42	8930093560	3766 CONTACT RUBBER (TOP)	1
MP44	8930097910	3877 EARTH SPRING	1
MP45	8810008641	BT M2x4 NI-ZC3	2
MP46	8810011050	BT O M2x3 NI-ZC3	8
MP47	8930096990	3877 MAIN SEAL (SHJ)	1
MP48	8830003440	3285 ANT NUT	1
MP49	8810010850	PH BT B0 M2x8 SUS SSBC	2
MP51	8930097400	SPONGE (PD)	1
MP52	8930059830	2600 SHEET	1
MP53	8930059800	2600 PET SHEET	1
MP54	8930098660	3935 SPONGE	1
MP61	8610016360	KNOB N-452	2
MP63	8610016370	KNOB N-453	1
MP65	8210032940	3877 SIDE PANEL	1
MP66	8810010771	D6.9 M4x5 SUS SSBC	1

## [FRONT UNIT]

REF NO.	PART NO.	DESCRIPTION	QTY.
J1*	6510030920	IMSA-9681S-24Y901	1
J2*	6510031380	31FXVL-RSM1-GAN-TF-1 (HF)	1
J3*	6510032530	04-6299-004-020-846+	1
J4*	6510031400	BM02B-ACHSS-GAN-ETF (LF) (SN)	1
J5*	6510031390	15FXVL-RSM1-GAN-TF-1 (HF)	1
DS6	5030004400	BTD-0701V-HBWD-N-A-A0	1
MC1*	7700003060	F6027AP-SBC-462	1
S1*	2230001060	EVQ-PUL 02K	1
S2*	2260003620	LS17C2-T	1
S3*	2260003620	LS17C2-T	1
S4*	2260003620	LS17C2-T	1
S5*	2260003620	LS17C2-T	1
MP1*	8510021700	OG-301012	1
MP3*	8510021700	OG-301012	1
MP5	8930070271	SHIELD SPONGE (AZ)-1	1
MP6	8930070271	SHIELD SPONGE (AZ)-1	1
MP7*	8510022380	3972 SHIELD PLATE	1
MP8	8930098820	INSULATION SHEET (OQ)	1
MP11	8210033320	3972 REFLECTOR	1
MP12	8930097380	3877 WHITE SHEET	1
MP13	8930097800	3877 B-SHEET	1
MP14	8930085790	SPONGE (LY)	2
MP15	8930098850	SPONGE (PN)	1

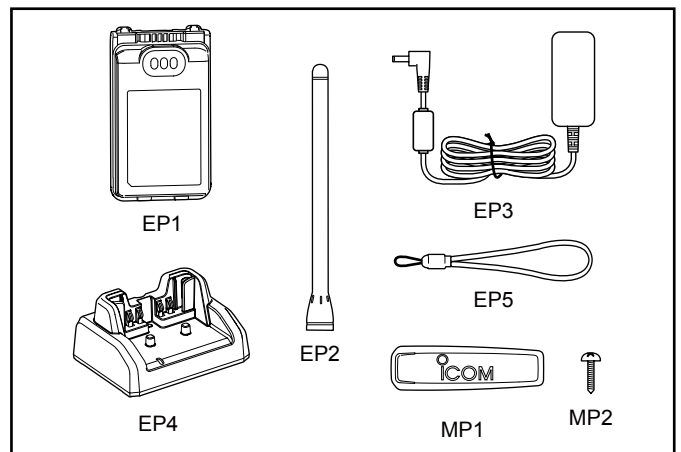
## [MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	QTY.
J1*	6510030920	IMSA-9681S-24Y901	1
J404*	6510032530	04-6299-004-020-846+	1
F401*	5210001160	ERBRE3R00V	1
S401	2250001060	ED089070SU16.2S7C-2040	1
MP1*	8930097350	3877 ANT SPRING	1
MP2*	8410003020	3877 PA HEATSINK	1
MP3*	8510022370	3972 VCO CASE	1
MP11*	8510022290	E01J1113Y	1
MP14*	8510022290	E01J1113Y	1
MP17*	6910014760	OG-503040	1
MP18*	6910014760	OG-503040	1
MP401	8950008990	3766 CONTACT SPRING	1

## [ACCESSORIES]

REF NO.	PART NO.	DESCRIPTION	QTY.
EP1	-	BP-290†	1
EP2	-	FA-SC58V†	1
EP3	-	BC-123SA†	1
		[#11]	1
		[#12]	1
		[#15]	1
		[#16]	1
		[#17]	1
		[#19]	1
EP4	-	BC-227†	1
EP5	6910018620	BLACK HANDY STRAP	1
MP1	-	MBB-3†	1
MP2	8810001470	PH A M3.5x30 SUS	1

†Sold as an option.

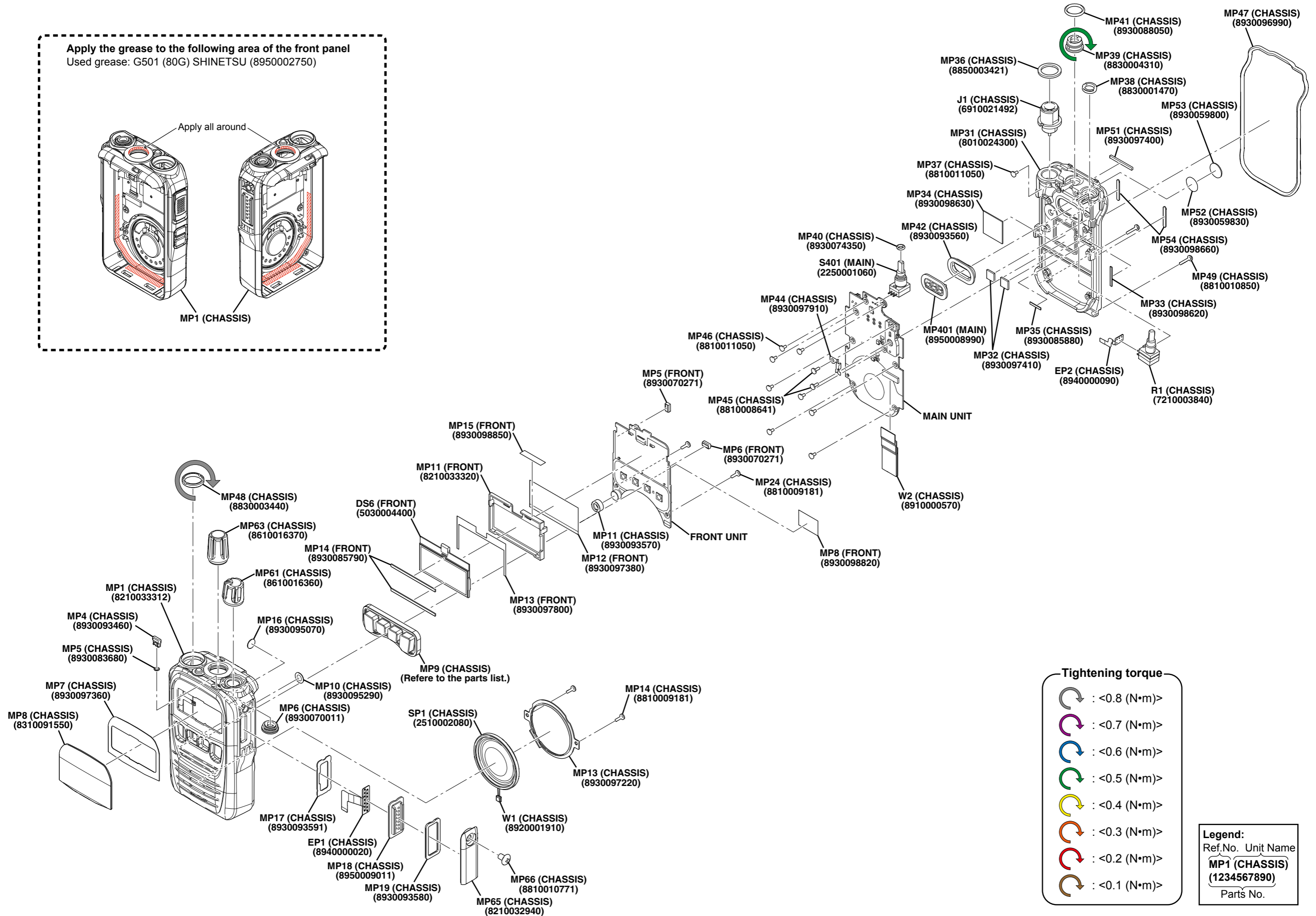
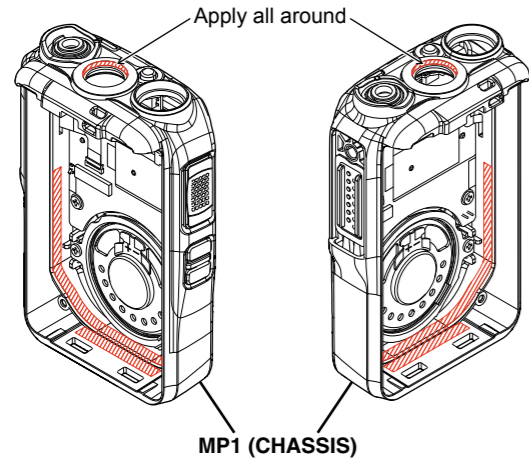


\*: Refer to "BOARD LAYOUTS" for the location.

\*\* : Refer to "GENERAL WIRING" for the connection

**Screw abbreviations** A, B0, BT: Self-tapping PH: Pan head BS: Brass NI: Nickel ZU: Zinc SUS: Stainless

Apply the grease to the following area of the front panel  
Used grease: G501 (80G) SHINETSU (8950002750)

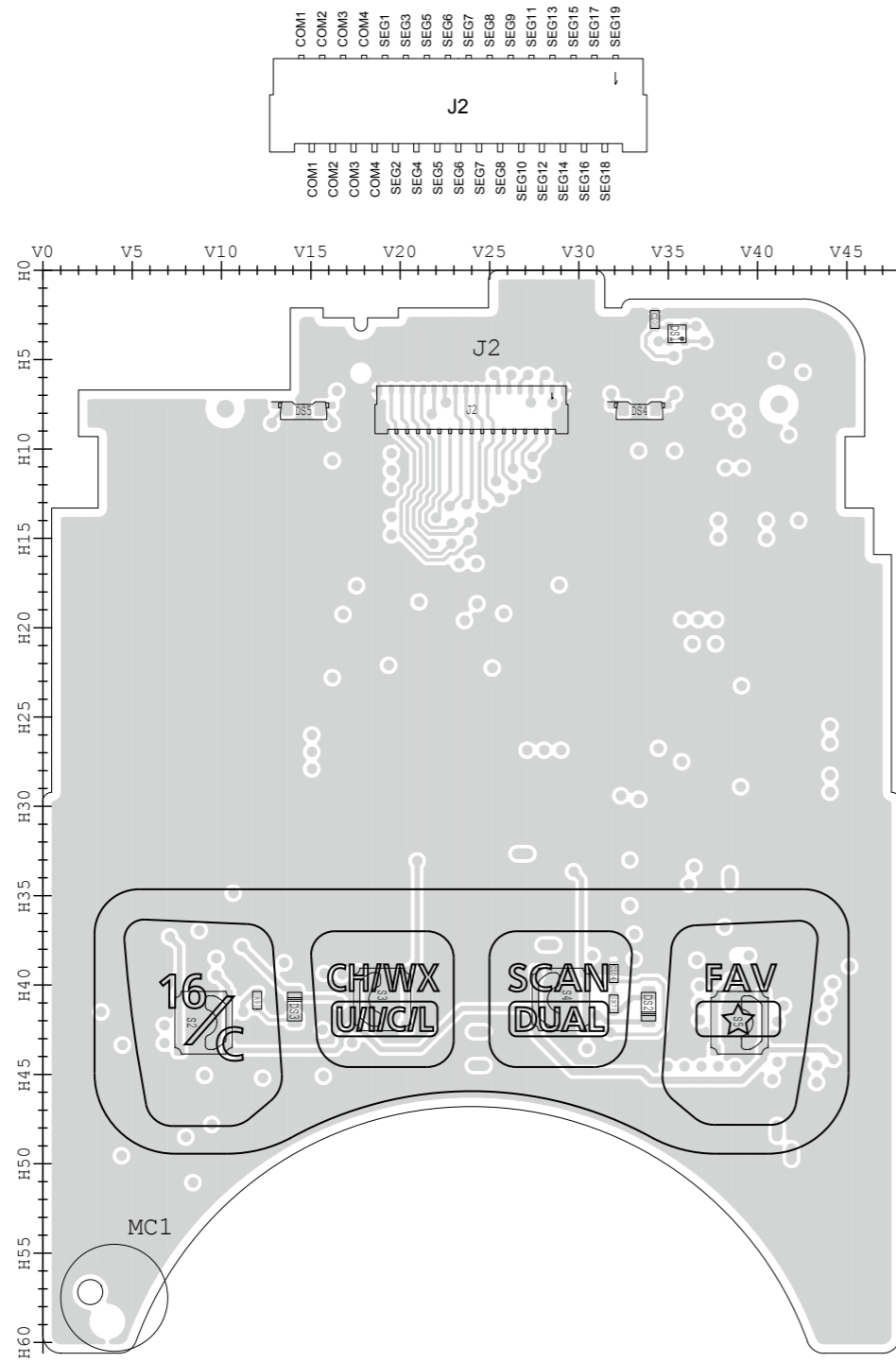


# SECTION 7

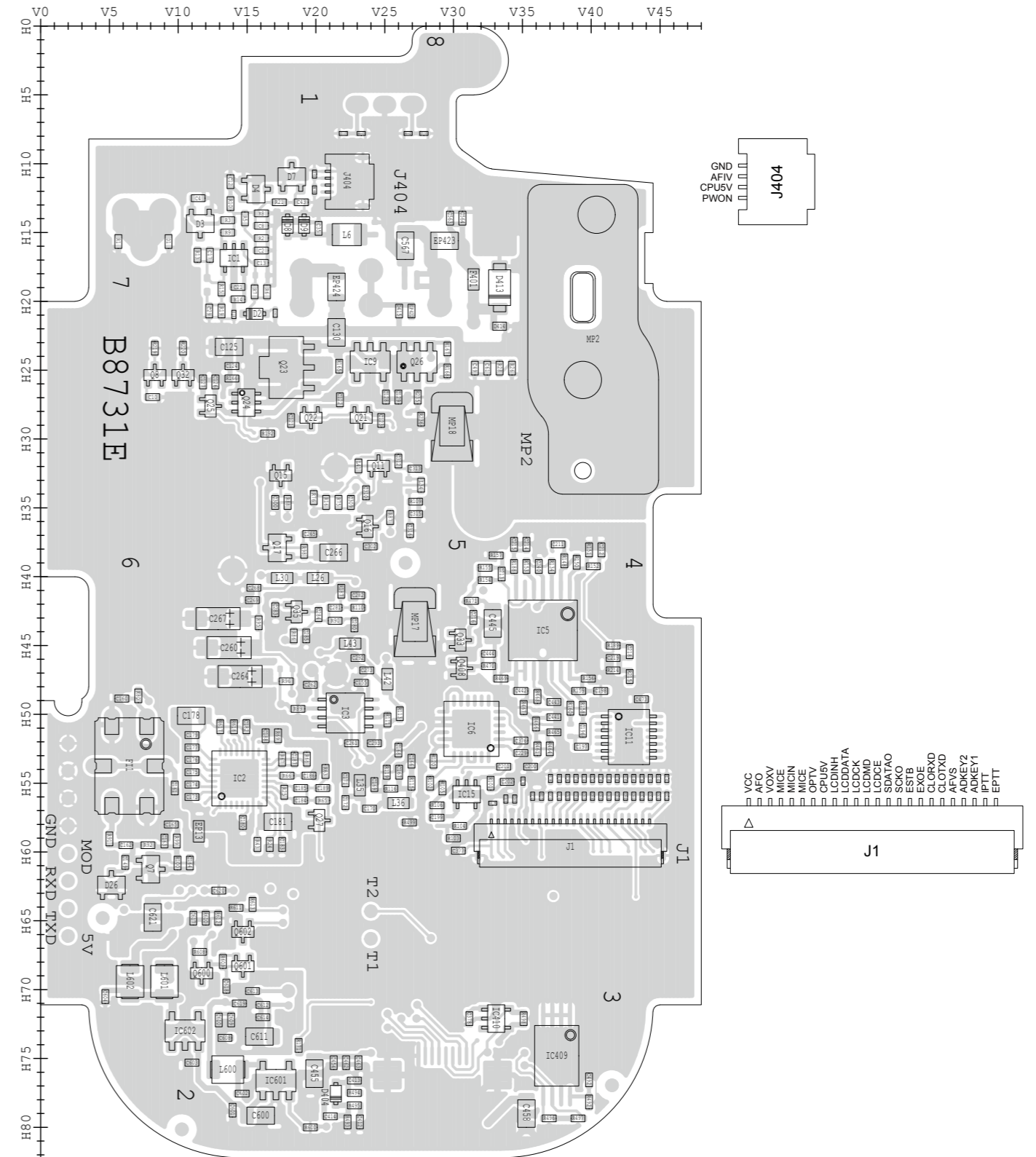
# BOARD LAYOUT

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

• FRONT UNIT (B-8730D: Top view)



• MAIN UNIT (B-8731E: Top view)

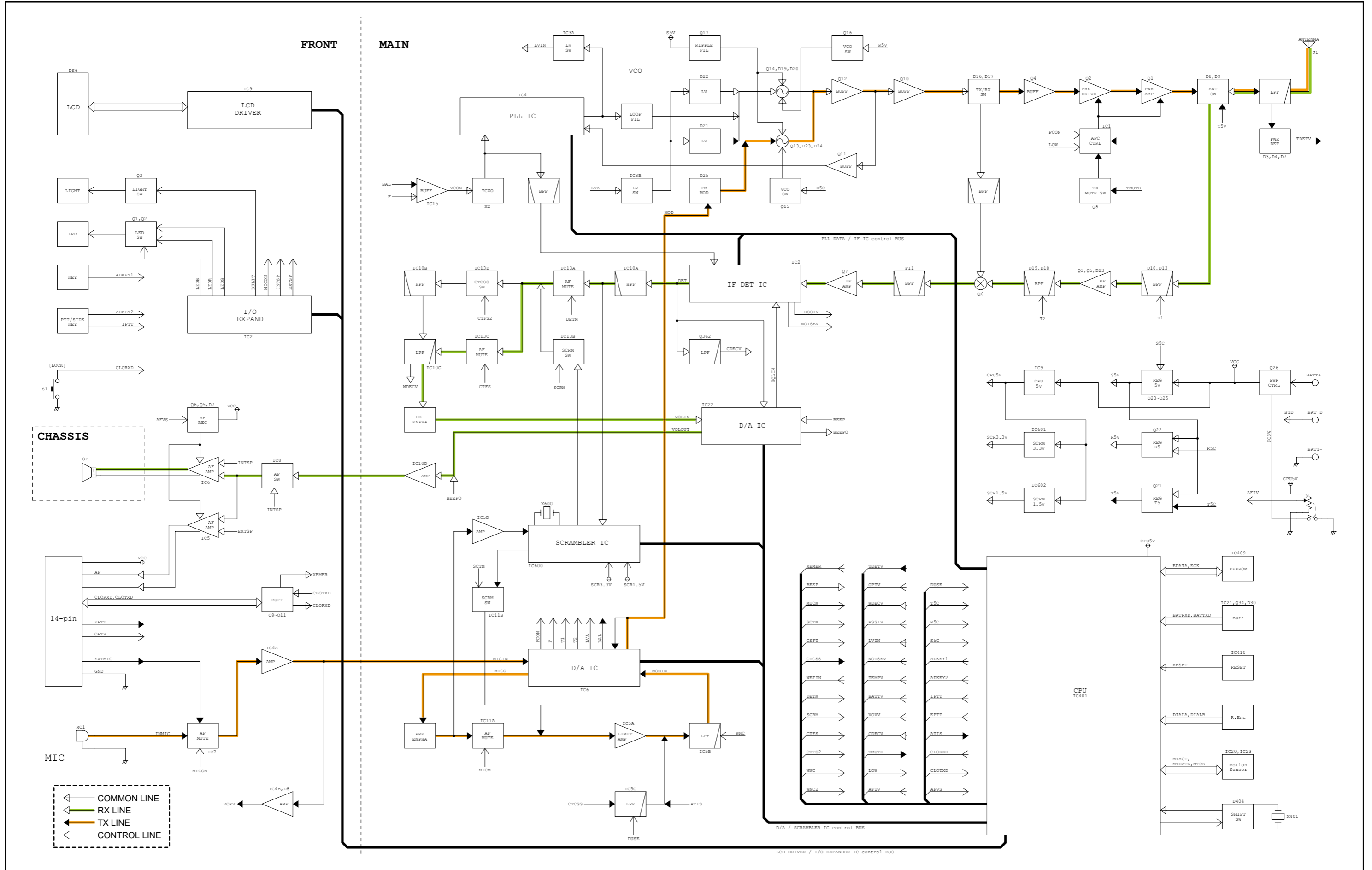


See the PARTS LIST H/V location on the PARTS LIST for location details.



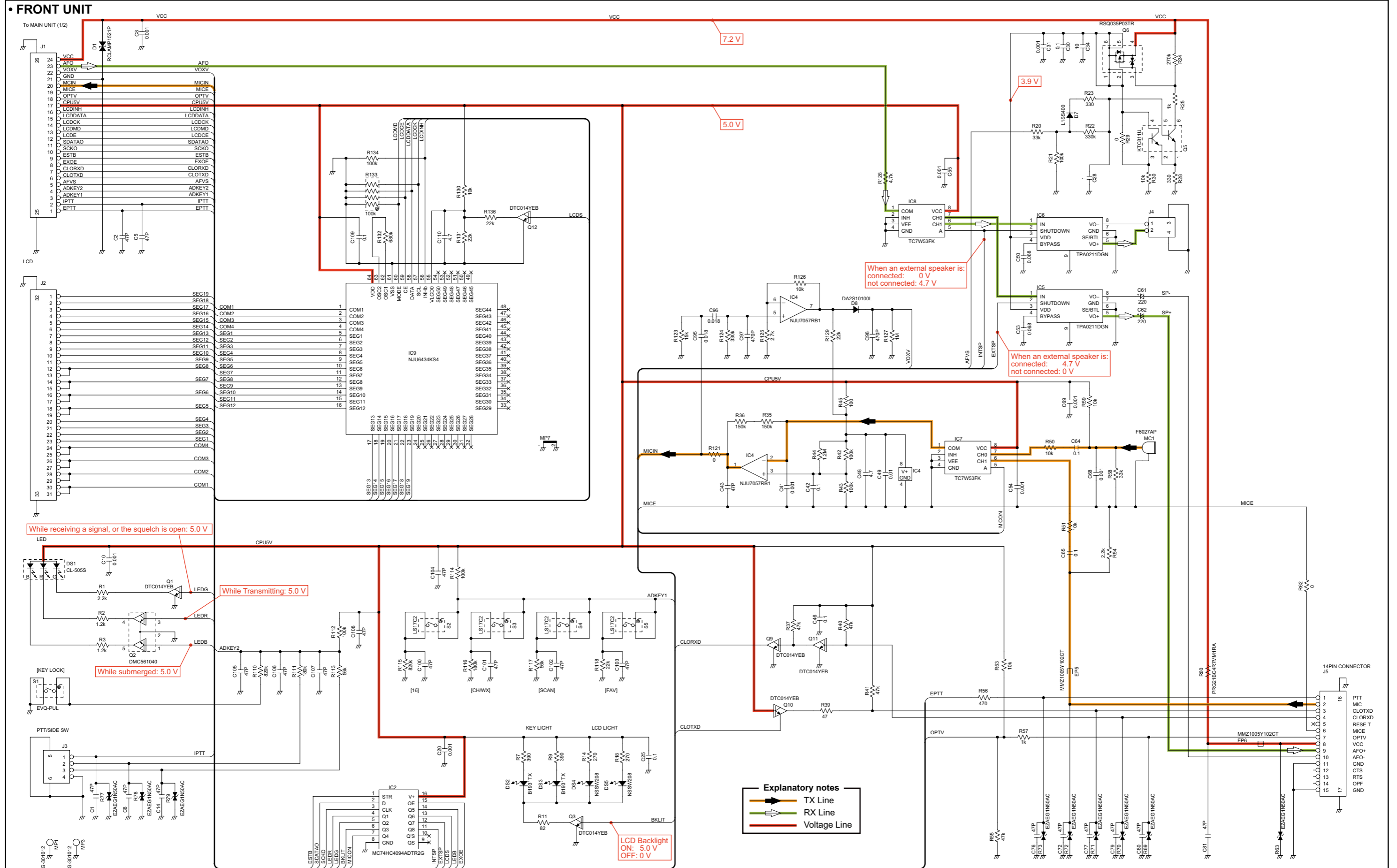
# SECTION 8

# BLOCK DIAGRAM



# SECTION 9

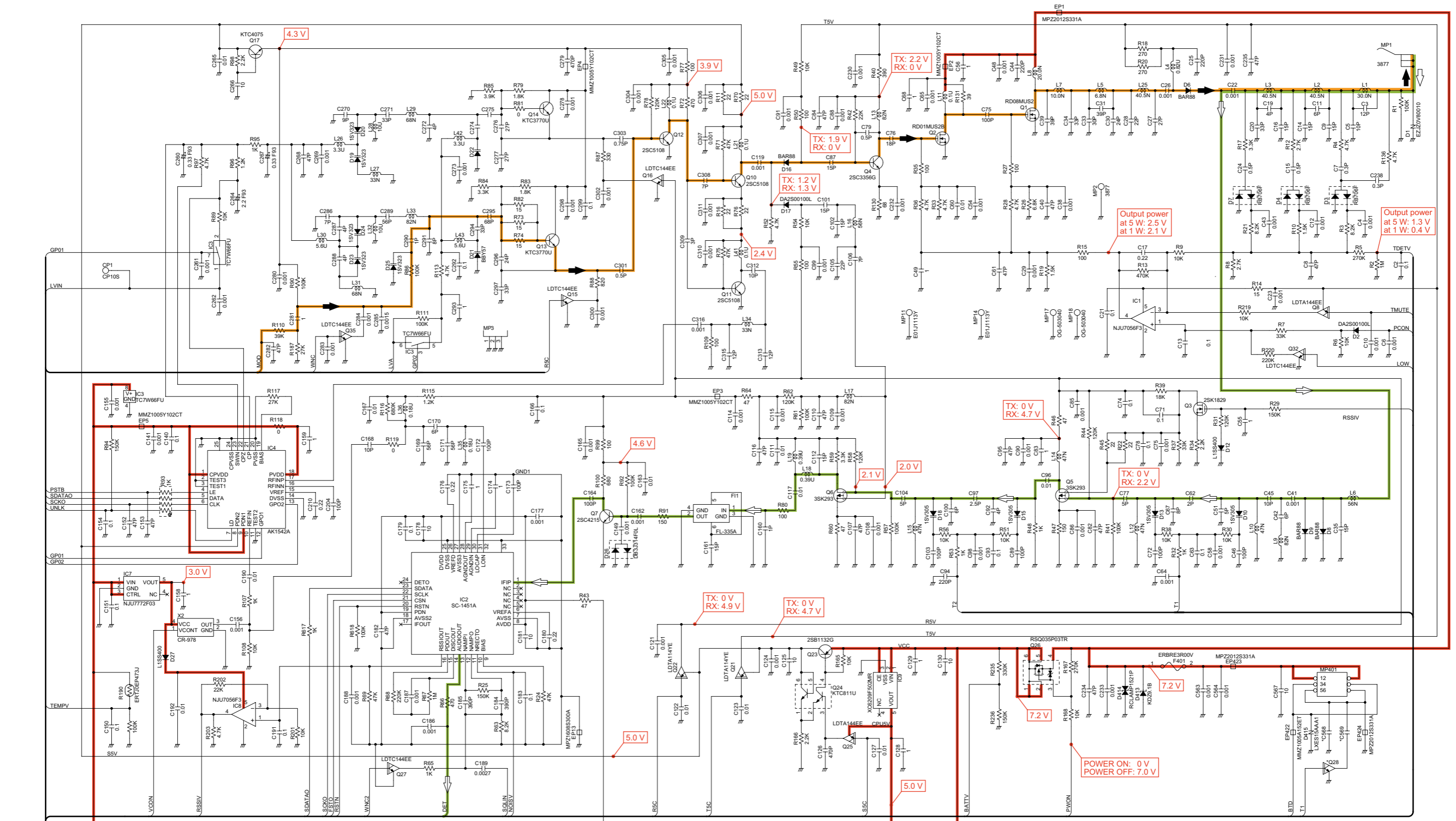
# VOLTAGE DIAGRAM



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



• MAIN UNIT (2/2)



**Explanatory notes**

- TX Line
- RX Line
- Voltage Line

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

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