



SMARTSET® CLOCK RADIO

MODEL:CKS1708 (4W 120V 60Hz)

SERVICE MANUAL

CAUTION

BEFORE SERVICING THE UNIT, READ THE SAFETY PRECAUTIONS IN THIS MANUAL

SAFETY PRECAUTIONS

This device is to be serviced only by properly qualified service personnel.

Consult the service manual for proper service procedures to assure continued safety operation and for precautions to be taken to avoid possible exposure to excessive rain or moisture..

TO PREVENT FIRE OR SHOCK HAZARD,DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- A) Do not use this plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.
- B) Make the following safety checks on all ovens to be serviced before operate the unit, and make repairs as necessary;
- C) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifier) that produce heat.
- D) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damage. Liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally , or has been dropped.
- E) Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

AVOID INSTALLING THIS UNIT IN PLACES EXPOSED TO DIRECT SUNLIGHT OR CLOSE TO HEAT RADIATING APPLIANCES SUCH AS ELECTRIC HEATERS, ON TOP OF OTHER STEREO EQUIPMENT THAT RADIATES TOO MUCH HEAT, PLACES LACKING VENTILATION OR DUSTYAREAS, PLACE SUBJECT TO CONSTANT VIBRATION AND/OR HUMID OR MOIST AREAS.

TABLE OF CONTENTS

	(page)
SAFETY PRECAUTIONS -----	Inside front cover
CAUTIONS -----	1-1
INSTRUCTION -----	2-1
PRODUCT SPECIFICATIONS -----	4-1
CONTROL PANEL AND INDICATOR -----	6-1
OPERATING INSTRUCTIONS -----	5-11
SCHEMATIC DIAGRAM-----	4-1
CIRCUIT DESCRIPTION-----	4-2
PCB INFORMATION -----	5-1
TROUBLE SHOOTING PROCEDURES-----	5-1
COMMON BREAKDOWN AND MEANS OF REPAIRING -----	16-1
EXPLODED VIEW -----	17-1
REPLACEMENT PARTS LIST -----	18-3
PACKING AND ACCESSORIES -----	21-2
SAFETY CHECKS AND TESTS AFTER SERVING-----	23-1

Product Specifications

Jumbo, 1.4" Blue LED Clock Display

Dimmer Control

InteliSet Automatic Time Setting System

Time is Instantly Set When Unit is Plugged In

Time and Alarm Settings Backed Up

Displays Month/Date at the Touch of a Button

Automatically recognizes DST (if Applicable)

Dual Alarm

Week Mode Scheme for Alarm

Wake to Radio or Buzzer Alarm

Snooze/Repeat Alarm

Crescendo Wakeup Control

Sure Alarm (Beeps Even Power Cut When Time to Wake)

Programmable Sleep-to-Music Timer

Digital Tuning AM/FM Radio

20 Station Memories

Digital Volume Control

AUX-IN Universal Connection for Mobile Phone, MP3, etc.

Output Power: 250mW @ 10% THD

AC Powered

Unit Dimensions (W x H x D) : 165 x 76 x 88.5 mm (6.5" x 3.0" x 3.5")

CAUTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage within the product's enclosure that maybe of sufficient magnitude to constitute a risk of electric shock to persons

- DO NOT operate on a 2-wire extension cord during repair and use.
- NEVER TOUCH any oven components or wiring during operation.
- BEFORE TOUCHING any parts of the oven, always remove the power plug from the outlet.
- Do not used this apparatus near water
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide Blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only used attachments/ accessories specified by the manufacturer.
- Unplug this apparatus during lightning storma or when unused for long periods of time.
- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

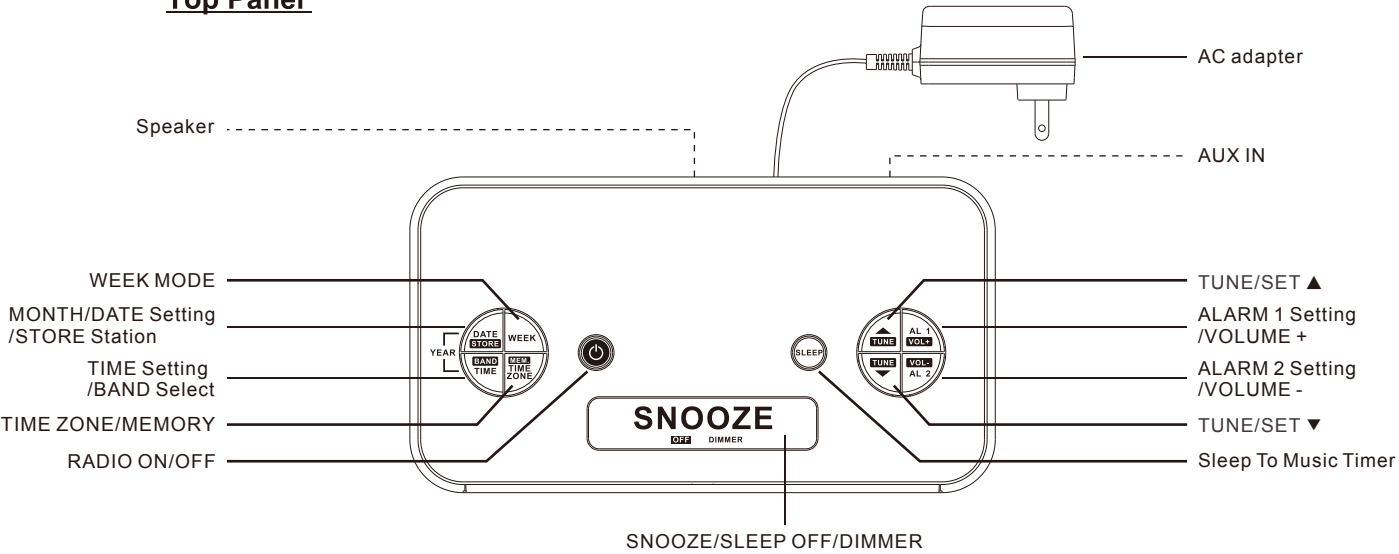
WARNING: TO REDUCE THE RISK OF ELECTRIC SHOOK DO NOT REMOVE COVER(OR BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



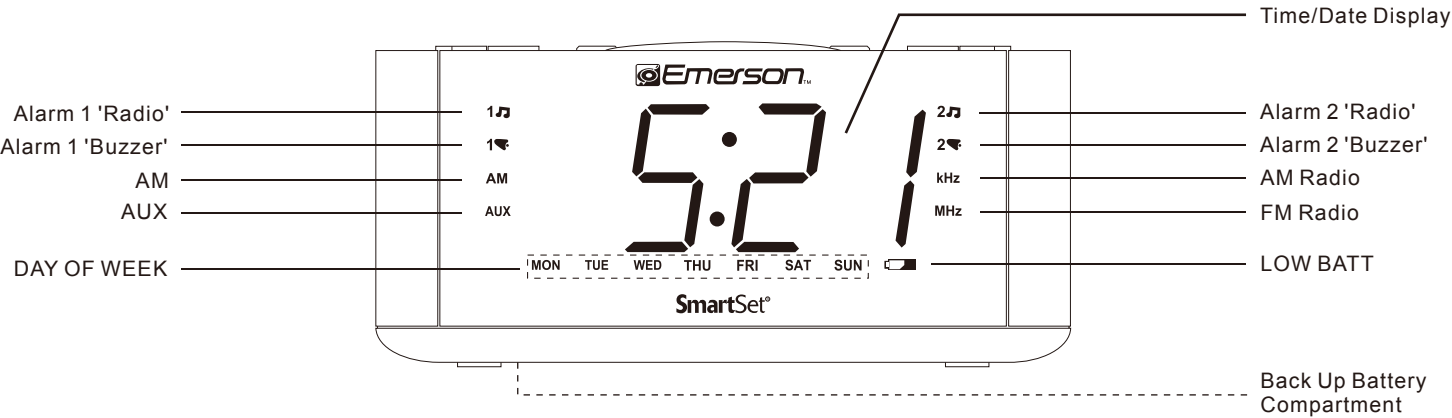
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CONTROL PANEL AND INDICATOR

Top Panel



Front Panel



OPERATING INSTRUCTIONS

BEFORE YOU USE, READ THE FOLLOWING INSTRUCTIONS COMPLETELY

SETTING THE TIME ZONE

1. The first time you connect your new Smartset clock radio to the AC outlet the internal computer will automatically set the time correctly for the Eastern Time Zone, which is the initial default setting. The display will scan for a few seconds and then show the correct Day and Time in the Eastern zone. If you live in the Eastern time zone, there's nothing else to do. Your clock is set correctly and running. If you do not live in the Eastern time zone you must change the default zone display to your own zone. You only do this one time and the SmartSet will remember the new default zone setting and will always return to that setting after power interruption. There are 7 time zones programmed into your Smartset clock radio as follows:

ZONE 1 – Atlantic Time

ZONE 2 – Eastern Time(Default Setting)

ZONE 3 – Central Time

ZONE 4 – Mountain Time

ZONE 5 – Pacific Time

ZONE 6 – Yukon Time

ZONE 7 – Hawaiian Time



To change the default time zone display, depress the TIME ZONE button. The number "2" will appear on the display indicating that the default zone is ZONE 2, Eastern Time. Hold the TIME ZONE button and then press either the SET +(up) or – (down) buttons until your own time zone appears on the display, then release the buttons. The clock display will change the correct time in the time zone you selected. The clock will always return to the correct time in the zone you selected after every power interruption. If you move to a different time zone, simply change the default zone display to the new zone and the smartest will remember that setting for you.

Date Display

2. To see the correct date at any time, depress the MONTH/DATE button. The display changes from time to Month and Date (MM/DD). For example, May 21st will appear as "5.21". When you release the MONTH/DATE button the display returns to the correct time.



Year Display

3. To see the correct year, depress the MONTH/DATE and TIME buttons together. The display changes from time to year. When you release the MONTH/DATED and TIME buttons the display returns to the correct time.



Daylight Saving and Leap Year Adjustments

All Daylight Saving and Leap Year adjustments are made automatically by the SmartSet internal computer as follows:

- Start of Daylight Saving Time:
At "2:00 AM" on the 2nd Sunday in March, the clock will automatically advance to "3:00 AM".
- End of Daylight Saving Time:
At "3:00 AM" on the 1st Sunday in November, the clock will automatically reset to "2:00 AM".
- Leap Year:
At :12:00 Midnight" on February 28th, the calendar display will change to 2.29

Manual Time Adjustments

Some people like to set their clocks 5 to 10 minutes fast to make sure that they will always be on time. Even though the Smartset sets the time by itself, you still have the option of adjusting the time manually if you wish.

To manually adjust the time display depress and hold the TIME button, and press either the SET+ or – buttons to adjust the time display ahead or back as desired. Each press of the SET +or – buttons will change the display by one minute. If you hold the SET + or – buttons the display will continue to change. The display will change slowly at first, one minute at a time. But if you continue holding the SET + or – buttons the display will change rapidly.

NOTE: if you manually adjust the time, your new setting is entered into the SmartSet memory. If the power is interrupted, the display will return to your new setting, not the original setting, when the power is restored.

Adjusting The Wake Up Times

4. Your Smartset clock radio has two separate alarms that can be set and used independently. You may use the alarms to wake two people at different times, or you may use one alarm for weekdays and the other for weekend wake up times. The procedure for adjusting the wake up time is the same for both Alarm1 and Alarm 2.

1) Depress and hold either the ALARM 1 or ALARM 2 Setting button.

The display will change from the correct time to the ALARM 1 or ALARM 2 wake up time.

2) While holding the ALARM 1 or ALARM 2 setting button, depress either the SET + or – button to move the display ahead or back to your desired wake up time.

3) When the desired wake up time appears on the display, release the SET + or – buttons
NOTE: Be sure that you have set the wake up time correctly by observing the AM indicator. If the AM indicator is “ON” the wake up time is “AM”. If the “AM” indicator is “OFF”, the wake time is “PM”

4) When the desired wake up time (AM or PM) appears on the display, release the ALARM 1 or ALARM 2 setting buttons.

Selecting The Alarm Week Mode

Your Smartset clock radio allows you to select from among three different alarm operation modes for either alarm. The alarm modes are :

- Everyday – the alarm will turn on all 7 days.
- Weekdays only – the alarm will only turn on Monday through Friday;
- Weekends only – the alarm will only turn on Saturday and Sunday.

To check the Alarm Mode setting for Alarm 1, depress the ALARM 1 setting button. The display will show the Alarm 1 wake up time and the DAY OF WEEK indicators will show you the alarm mode which is selected

- If all 7 indicators are “ON”, the Every mode is selected.
- If only the MON(Monday) through FRI(Friday) indicators are “ON”, the Weekdays only mode is selected.
- If only the SAT(Saturday) and SUN(Sunday) indicators are “ON”, the Weekends only mode is selected .

To change the Alarm Mode setting for ALARM 1, hold the ALARM 1 setting button and press the WEEK MODE button until the DAY OF WEEK indicators show the desired mode setting, Weekdays only, Weekends only, or Every day operation. Release the WEEK MODE and ALARM 1 setting buttons and the display will return to the correct time. Follow the same procedure to select the desired Alarm Mode for Alarm 2 if necessary.

Checking The Wake Up Times And Alarm Mode

5. Whenever you want to check the wake up time or the alarm mode settings. Simply press either the ALARM 1 or ALARM 2 setting buttons. The display will change from correct time to wake up time and the DAY OF WEEK indicators will show you the alarm mode which is currently selected .

Release the ALARM 1 or ALARM 2 setting buttons to return to correct time.

Using AUX IN Jack to enjoy your iPod or MP3 player

6. This clock radio is equipped with AUX IN jack to enjoy iPod,MP3 player music or other audio source.

- 1) Turn on the clock radio by pressing the RADIO ON/OFF button.
- 2) Connect your iPod, MP3 player or other audio source from its earphone jack to the clock radio AUX IN jack with cable with 2 ends 3.5 mm stereo plug.
- 3) “AUX” indicator will light on while AUX IN jack is plugged in, and the radio will change to AUX function.
- 4) Start to play iPod, MP3 or other audio player, and set the player volume to maximum.
- 5) Adjust the main unit volume to your desired level.
- 6) Stop the main unit and your iPod, MP3 or other audio player when finished listening, and disconnect the cable from the AUX IN jack.

Remark:

Once the AUX IN jack is plugged in, the alarm sound will be buzzer sound only while the alarm function is activated.

Listening To the Radio

- 1) Pressing the RADIO ON/OFF button turn to the radio “ON” the frequency of the tuning frequency will show for a few second on the display.
- 2) Set the BAND by pressing BAND by pressing BAND button to AM or FM as the desired, it toggles each time you press the BAND button.
- 3) Set the VOLUME by pressing VOLUME + or VOLUME – to a level that is neither too high nor too inaudible.
- 4) Select your desired station with the TUNING control.
 - a) Press TUNE + or TUNE – slightly, the receiving frequency will increment or decrement by one step.
 - b) Press and hold TUNE + or TUNE – for one second then release. Auto Station seeking will be engaged, the receiving frequency will increment or decrement automatically until a station with acceptable reception is found .

-
- 5) Adjust the VOLUME control to the desired setting.
 - 6) When you are finished listening, press the RADIO ON/OFF button to turn the radio "OFF"

Storing and Recalling Radio Station Memory

When you have a few favorite radio stations to listen to, you may like to save them, and pick one out of them in a few seconds without needing to search it each time. Our digital tuning technology allows you to do this easily by following the following steps.

Storing to the memory

- 1) Make sure the radio is ON and the AM/FM band is selected.
- 2) Tune to the desired station by the TUNING control as desired.
- 3) Press STORE, "P XX" blinks, indicating the memory location to store the currently listening station.
- 4) While "P XX" is blinking, press TUNE + or TUNE – can change the memory location from 1 through 10. For e.g., "P 03" means the current listening station is about to be stored into the 3rd location of the memory.
- 5) After deciding the memory location, press STORE again, the currently listening station is stored.
- 6) The display will turn to the frequency of the station afterwards, and after a few seconds, the correct time shows.

Recalling Station from the memory

- 1) Make sure the radio is ON and the AM/FM band is selected.
- 2) Press MEMORY, "P XX" shows on the display, and the station according to the memory location is tuned.
- 3) While "P XX" is showing on the display, press TUNE + or TUNE – can change the memory location from 1 through 10, and the station stored in the location is tuned once the location is changed to.
- 4) The display will turn to the frequency of the station afterwards, and after a few seconds, the correct time shows.

Antenna Information

AM – The AM bar antenna is inside the cabinet. If AM

reception is weak, change the position of the cabinet until the internal antenna picks up the strongest signal.

FM – The FM antenna is built into the Line cord connecting the AC adapter. If FM reception is weak, try varying the position and direction of the line cord until you find the strongest signal.

Wake To Radio

- 1) Turn the radio "ON" and select the band, station, and volume level that you wish to hear when the alarm comes "ON", then turn the radio "OFF" again.
- 2) Reconfirm the wake up time and alarm mode settings for the alarm you are using, Alarm 1, Alarm 2, or both alarms.
- 3) Press ALARM 1 or ALARM 2 button slightly, and repeat doing so if necessary, until ALARM 1 RADIO or ALARM 2 RADIO indicator is lit on the display.
- 4) At the selected wake up time the radio will turn "ON". It will play for one hour and then shut off automatically.
- 5) To stop the radio sooner, press the RADIO ON/OFF button. The radio will stop but the alarm remains set and will turn the radio on again at the same time on the following day (depending on the alarm mode setting).
- 6) If you do not want the alarm to turn the radio on the following day, press the appropriate ALARM button until the ALARM indicator on the display is OFF.

Note: To avoid your missing wake up time, even if you set the radio to a very low volume or even silent before turning off the radio, medium volume will come out of the speaker upon the alarm time comes.

Wake To Buzzer

NOTE: Alarm 1 and Alarm 2 have different buzzer sounds.

- Alarm 1 is a "Single beep" sound.
- Alarm 2 is a "Double beep" sound.

You will be able to tell which alarm is going off by the sound that it makes.

- 1) Reconfirm the wake up time and alarm mode settings for the alarm you are using, Alarm 1, Alarm 2, or both alarms.
- 2) Press ALARM 1 or ALARM 2 button slightly, and repeat doing so if necessary, until ALARM 1 "BUZZER" or ALARM 2 "BUZZER" indicator is lit on the display.
- 3) At the selected wake up time the buzzer will sound. It will continue for one hour and then shut off automatically.
- 4) To stop the buzzer sooner, press the RADIO ON/OFF button. The buzzer will stop but the alarm remains set and will turn the buzzer on again at the same time on the following day (depending on the Alarm Mode setting).

- 5) If you do not want the alarm to turn the radio on the following day, press the appropriate ALARM button until the ALARM indicator on the display is OFF.

Radio and Buzzer Operation

You may also set one alarm for wake to RADIO and the other for wake to BUZZER. Just press the ALARM1 and ALARM 2 buttons to the desired status as shown on the ALARM indicator.

Snooze / Repeat Alarm

After the alarm turns "ON" in the morning you can SNOOZE / SLEEP OFF button on the top cabinet for a few extra minutes sleep. The corresponding ALARM indicator will flash. The alarm will stop for approximately 9 minutes and then comes "ON" again. The Snooze operation may be repeated several times if desired but after one hour the alarm will not come on again.

Sleep To Music Timer

You can program the sleep timer to play the radio for up to 90 minutes and then shut "OFF" automatically.

- 1) Press the SLEEP button. The display will briefly show "10" and the radio will begin to play. After 10 minutes countdown the radio will shut off automatically. Each time you press the SLEEP button the sleep timer will start at 10 minutes. This is the sleep timer default setting.
- 2) To increase or decrease the amount of time that the radio will play before shutting off, hold the SLEEP button and press either the SET + or – button to change the display to the desired sleep time, up to a maximum of "90" minutes or a minimum of "02" minutes.

Note: when you change the sleep timer from the 10 minute default setting to a different setting, the new setting becomes the default setting and count down to zero from the point.

- 3) To cancel the sleep timer before it counts down to "00" and shut the radio "OFF" immediately, press the SNOOZE/SLEEP OFF bar.

IMPORTANT: Remember that the station and volume setting you choose for the Sleep To Music operation are the same settings you will hear if you set the alarm for Wake To Radio the following morning.

DIMMER Control

The Dimmer control was set to High position at our factory. If you find the clock display is too bright in a darkened room, set the Dimmer by pressing SNOOZE/SLEEP OFF/DIMMER button, when radio is

off.

Changing The Lithium Battery

Like all batteries, eventually the built in lithium battery will need to be replaced. A number of factors, such as, the length of time between the date the radio was manufactured and the date you plugged it in for the first time determine the amount of time before replacement. During this initial storage period, the lithium battery is supplying power to the Smartset computer memory. Once you plug the radio in, your household outlet supplies the power, and the battery is not being used. A fresh lithium battery can supply power to the Smartset computer for at least 3 years even if it is never connected to an AC power supply. If your clock radio was connected to your AC supply within a few months after it was manufactured, and you experience only the normal, nuisance type, short duration power interruptions, your battery may last for up to 5 years or even longer.

When the battery power drops below a certain level, the LOW BATT. Indicator will "Flash". When you see this indicator, you should change the battery as soon as it is convenient for you to do so. To change the battery proceed as follows:

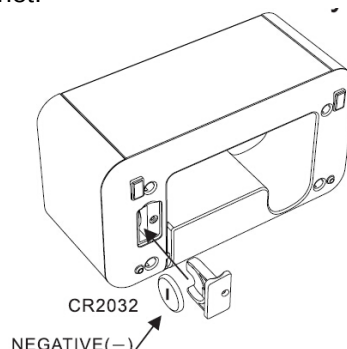
- 1) Purchase a replacement 3V lithium battery wherever batteries are sold. The battery type is CR2032 or equivalent.
- 2) Remove the battery from its package so it is ready to install.

IMPORTANT: Leave the AC adapter connected to your AC outlet. This will provide power to the Smartset computer memory while the original lithium battery is removed.

- 3) Turn the radio face up and use a small screw driver to remove the screw securing the battery holder to the cabinet.

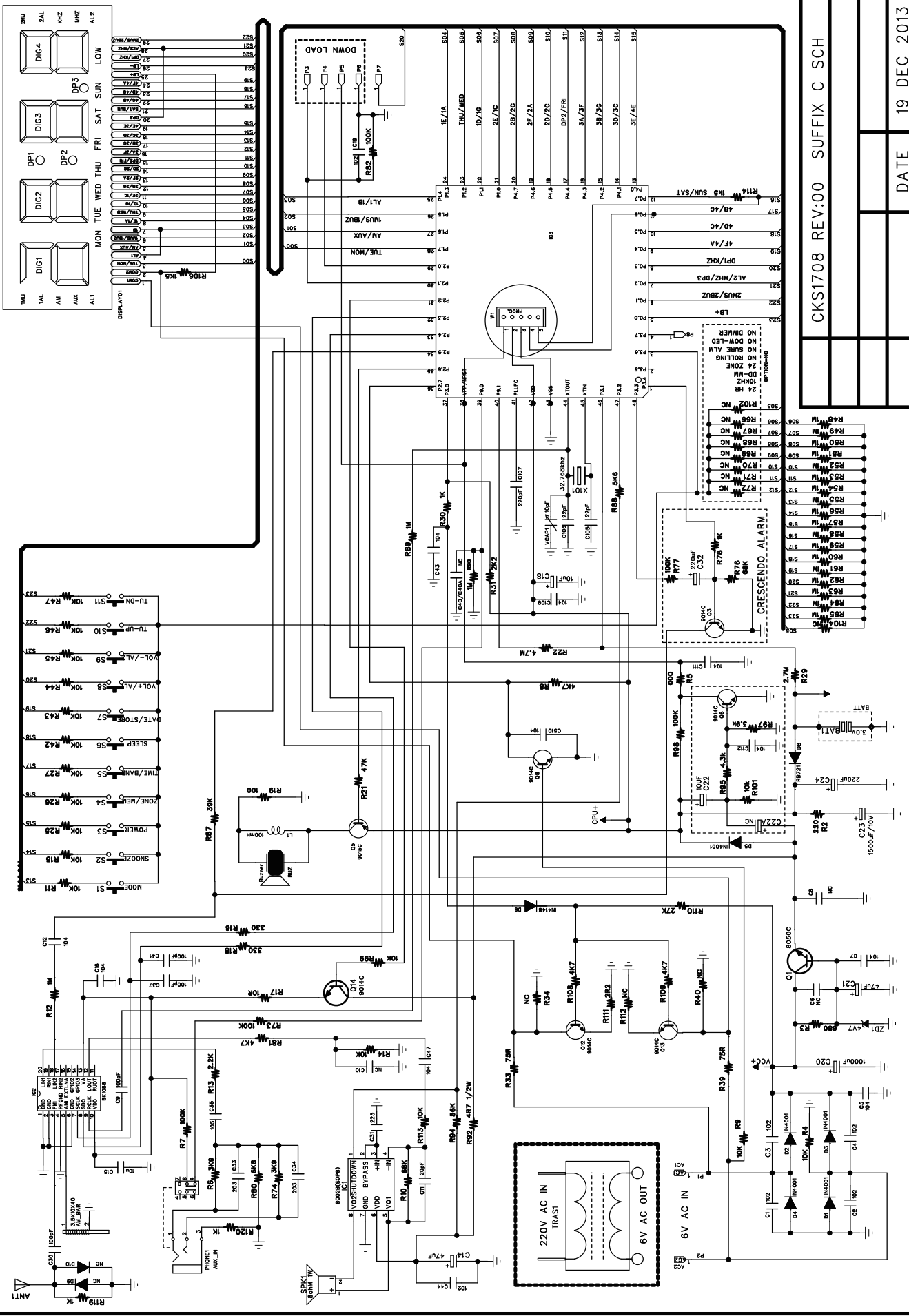
BE CAREFULL NOT TO LOSE THIS SMALL SCREW !

- 4) Remove the original battery from the holder and insert the new battery in to the holder the same way, observing the positive (+) direction. Slide the holder with the new battery back into the slot in the cabinet.
- 5) Replace the screw that secures the battery holder in the cabinet.



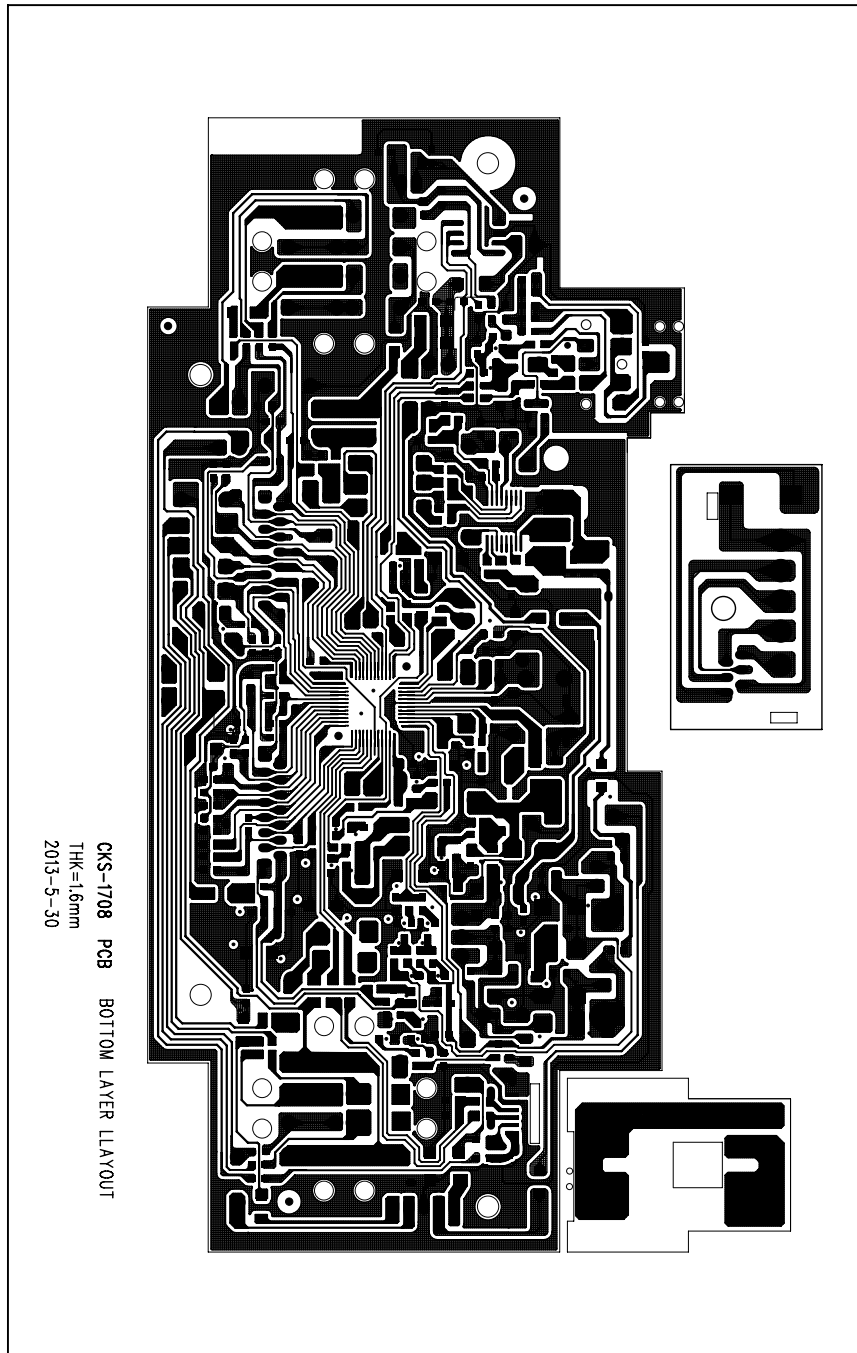
-
- 6) Turn the radio right side up and confirm that the LOW BATT indicator is OFF
 - 7) Save these instructions. You 'll have to do this again five to eight years from now.

WARNING: DANGER OF EXPLOSION IF
BATTERY IS INCORRECTLY REPLACED.
REPLACE ONLY WITH THE SAME OR
EQUIVALENT TYPE。

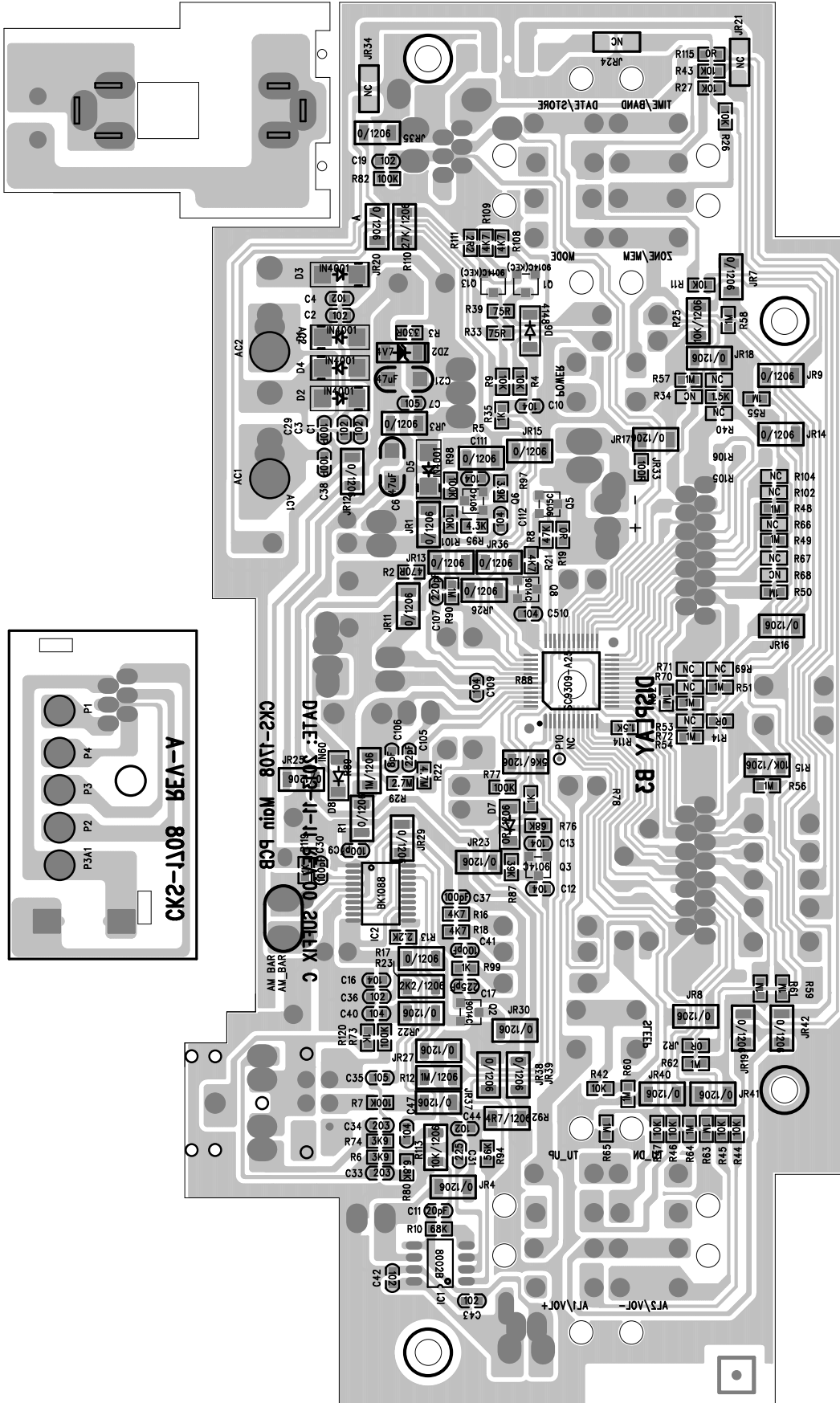


CKS1708 REV:00 SUFFIX C SCH	
DATE	19 DEC 2013

CIRCUIT DESCRIPTION



PCB LAYOUT MAIN BOARD BOTTOM

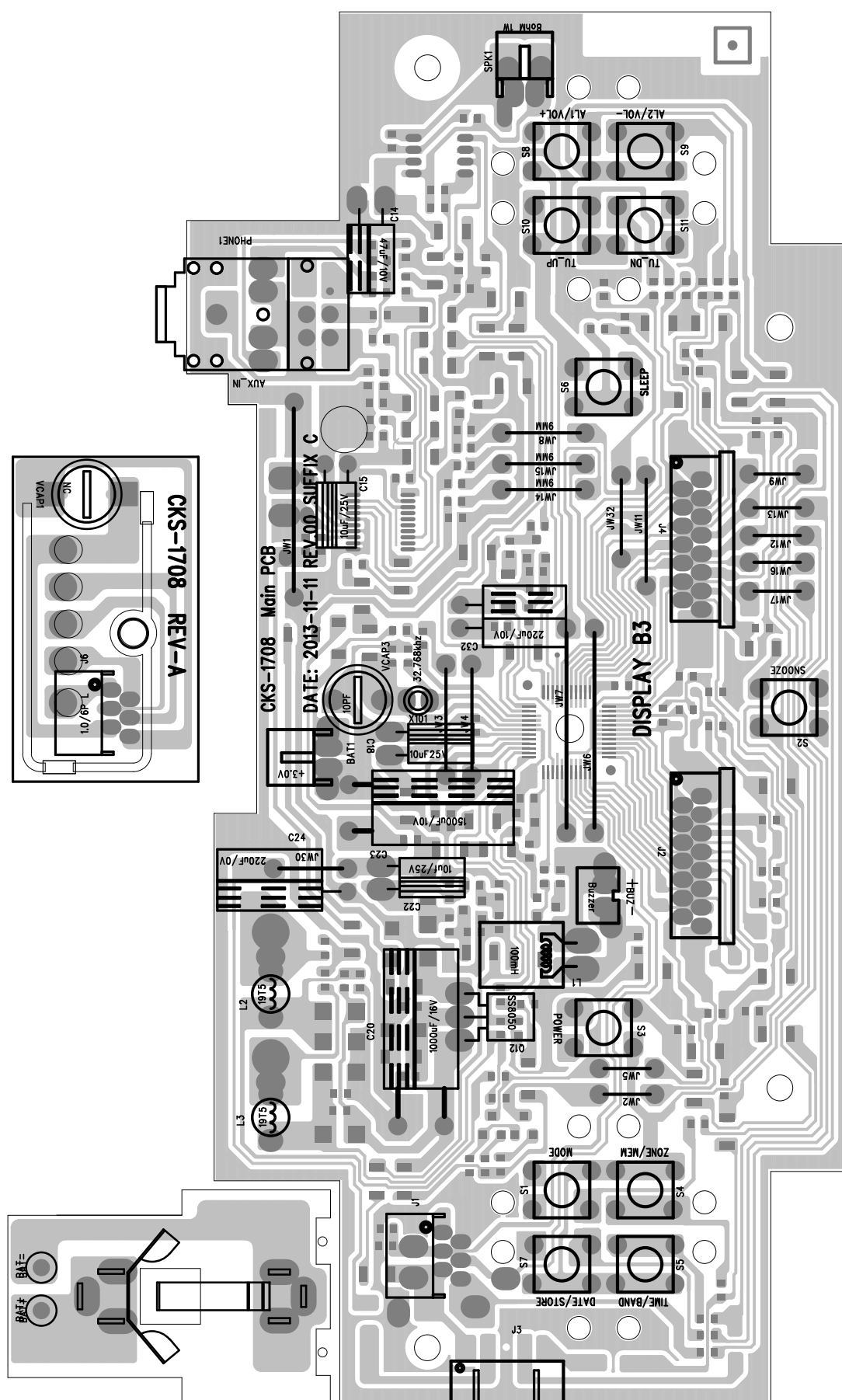


CKS-1708 PCB
REV.00 SUFFIX C
THK=1.6mm
2013-12-10

CKS-1708 PCB
REV.00 SUFFIX C
THK=1.6mm
2013-12-10

CKS-1708 PCB
BOTTOM Silkscreen
REV.00 SUFFIX C
THK=1.6mm
2013-12-10

MAIN BOARD SUFFIX C



CKS-1708 PCB TOP Silkscreen
REV.00 SUFFIX C
THK=1.6mm
2013-12-10

TROUBLE SHOOTING PROCEDURES

Before overhauling a clock radio, you should judge the breakdown and the cause correctly, then you can repair it with corresponding ways. The overhauling must be proceed in order, any hasty conclusion is not recommendable, otherwise overworking would be done when repair. The microwave oven may occur compound breakdown due to all kinds of different reasons, thus, when overhaul, they all should be taken into consideration. Special attention must be given to the radio leakage and the electric insulation when examine because they may do harmful to the repairing staff.

1.MEANS OF THE BREAKDOWN EXAMINING

How to examine a radio with breakdown? A better means which demonstrated in practical operating are through inspecting and listening. On the basis of large amounts of perceptual knowledge, you can judge and analysis the breakdown quickly and correctly.

1. Inspection.

Inspect whether the radio is disordered and where is the disordered position, if any. If the display show the time, if the no display, maybe the LED no power, check the AC power cord whether plug in outlet

Listening to the voice of the radio operating and the noise of the speaker after it conducted. Turn on radio AM or FM reception The signal , The sound is clearly, noise should be consider as normal. But it is abnormal if the following noise occurred:

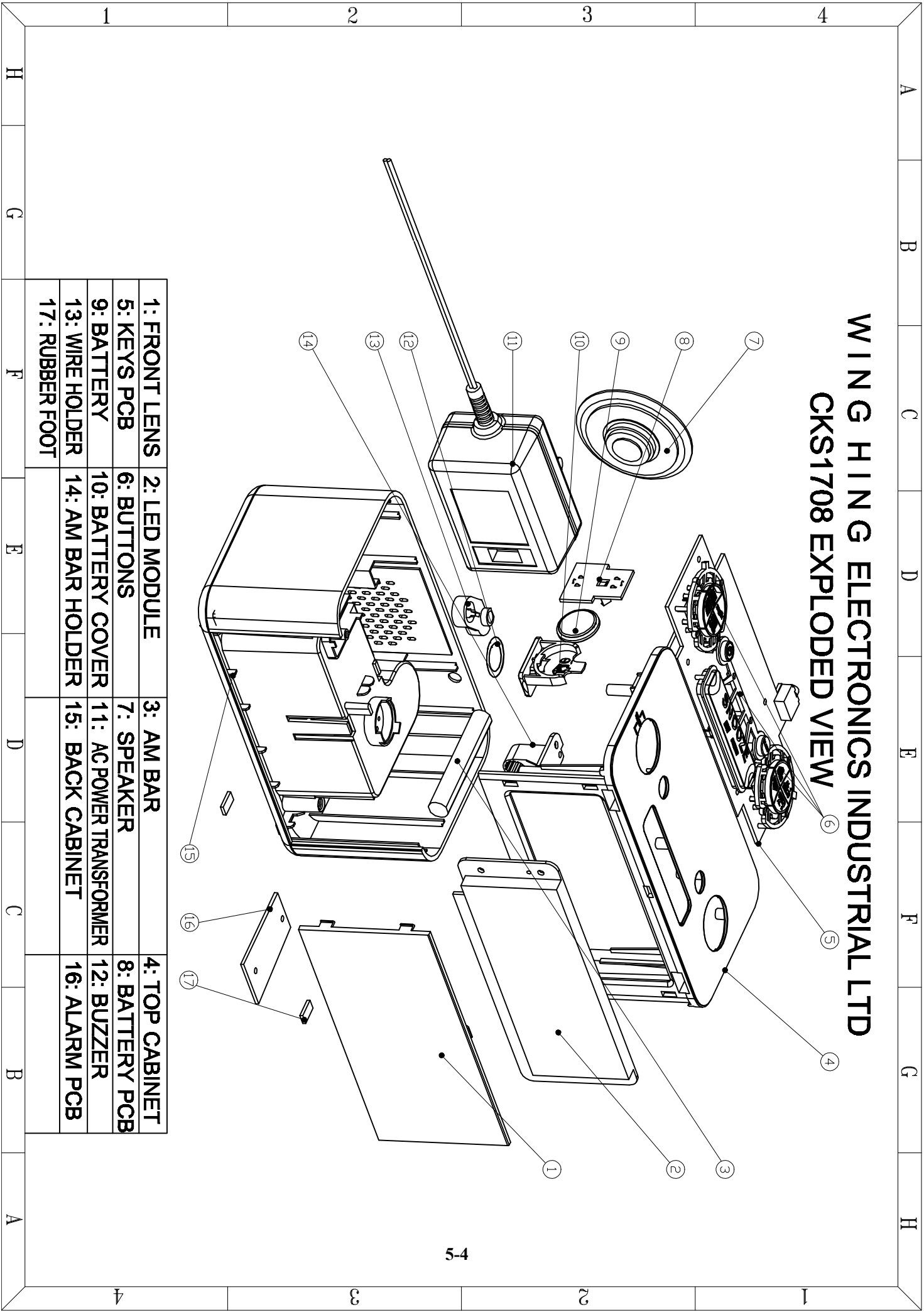
- (1) Sound "high or small " noise.
- (2) Long time "shishi" noise.
- (3) Strike voice like "kaka".

2. Examine when the radio is operating, but the radio no signal.

Remove the radio to adjust location until the radio reception the signal .

Before repairing, check whether the above listed point are existed, if not, you can start the clock radio.

EXPLODED VIEW



PART LIST

Product Name	Clock Radio	Date : 2014.02.21 REV:00 SUFFIX C			
Model No.	CKS-1708 REV:02 SUFFIX C				
Index	Product Name	Description	Qty.	Unit	Location
1	PCB	CKS-1708 Main DATE 2013-11-11 REV-00 SUFFIX C PCB	1	pcs	
2	PCB	CKS-1708 REV-A PCB	1	pcs	
	CKS-1708 Main PCB				
3	Resistor	0R (SMD 1206)	36	pcs	JR1-4.7-9.11-23.JR25-27 JR29.30.35.- 42.R1.5.17.D7
4		4.7R (SMD1206)	1	pcs	R92
5		2.2K (SMD 1206)	1	pcs	R23
6		5.6K (SMD 1206)	1	pcs	R88
7		10K (SMD 1206)	3	pcs	R15.25.113
8		27K (SMD 1206)	1	pcs	R110
9		1M (SMD 1206)	2	pcs	R12.89
10		0R (SMD 0603)	3	pcs	R14.19.115
11		2R2 (SMD0603)	1	pcs	R111
12		75R (SMD0603)	2	pcs	R33.39
13		100R (SMD0603)	1	pcs	JR33
14		1K (SMD0603)	5	pcs	R35.78.99.119.120.
15		1.5K (SMD0603)	2	pcs	R114.106
16		2.2K (SMD0603)	1	pcs	R13
17		6.8K (SMD0603)	1	pcs	R80
18		10K (SMD0603)	12	pcs	R4.9.11.26.27.42.43.44.45.46.47.101
19		56K (SMD0603)	1	pcs	R94
20		68K (SMD0603)	2	pcs	R10.76
21		100K (SMD0603)	5	pcs	R73.77.82.98.7
22		1MR (SMD0603)	19	pcs	R48.49.50.51.52.53.54.55.56.57.58.59.60.61 .62.63.64.65.90
23		2.7MR (SMD0603)	1	pcs	R29
24		4.7MR (SMD0603)	1	pcs	R22
25		330R (SMD0603)	1	pcs	R3
26		470R (SMD0603)	1	pcs	R2
27		39K (SMD0603)	1	pcs	R87
28		3.9K (SMD0603)	3	pcs	R6.74.97
29		4.3K (SMD0603)	1	pcs	R95
30		4.7K (SMD0603)	5	pcs	R8.16.18.108.109.
31		47K (SMD0603)	1	pcs	R21
32	Trimmer	10PF contact distance 5.0mm	1	pcs	VCAP1
33	Capacitor	22P (SMD0603)	1	pcs	C105
34		8P (SMD0603)	1	pcs	C106
35		100P (SMD0603)	6	pcs	C29.38.30.37.41.9
36		102P (SMD0603)	9	pcs	C1.2.3.4.19.36.42.43.44.
37		104P (SMD0603)	10	pcs	C10.12.13.16.40.47.109.111.510.112
38		105P (SMD0603)	2	pcs	C35.7
39		20P (SMD0603)	1	pcs	C11
40		203P (SMD0603)	2	pcs	C33.34
41		225P (SMD0603)	2	pcs	C31.17
42		220P (SMD0603)	1	pcs	C107
43	E. Cap	10UF/25V 4*7mm	3	pcs	C15.18.22
44	Capacitor	47uf/10V (SMD1206)	2	pcs	C21.6
45	E. Cap	1000UF/16V+80%-10% 8*16mm	1	pcs	C20
46		1500UF/10V+20%-10% 8*20mm	1	pcs	C23
47		47UF/ 10V 4*7	1	pcs	C14

PART LIST

Product Name	Clock Radio	Date : 2014.02.21 REV:00 SUFFIX C			
Model No.	CKS-1708 REV:02 SUFFIX C				
Index	Product Name	Description	Qty.	Unit	Location
48		220UF/10V 6*12	2	pcs	C24.32
49	Crystal	32.768MHz±5PPM 3*8mm	1	pcs	X101
50	Touch Switch	6*6*5mm	11	pcs	S1-S11
51	Phone Jack	3507202	1	pcs	AUX IN
52	Diode	SMD4001 (M1)	5	pcs	D1.2.3.4.5.
53		SMD LL4148	1	pcs	D6
54		IN60 LL-34	1	pcs	D8
55	Zener Diode	ZMM4.7V 1/2W	1	pcs	ZD2
56	Transistor	SMD9015C M6 SOT23	1	pcs	Q5.
57		SMD9014C SOT23	1	pcs	Q6
58		SMD9014C J6 SOT23	3	pcs	Q2.3.8
59		SMD9014C SOT23 printedBDC 2C (KEC)	2	pcs	Q1.13
60		SS8050 D331 IC=1.5A	1	pcs	Q12
61	IC	IC (8002B) SOP8 power	1	pcs	IC1
62		MCU IC (SC9309) version A25 (BK1088 radio IC circuit)	1	pcs	IC3
63		IC (BK1088) Radio	1	pcs	IC2
64	Wire	FCC 6P*150MM, double side with 2 pcs curve pin, pin distance 1.0mm	1	pcs	J1
65		UL 2651 2P*160mm, both side welded	1	pcs	Buzzer plate
66	Eyelet	Ø2*4	2	pcs	AC1.AC2
67	AM antenna	M5 Ø10.5*80T wire length 2*80mm	1	pcs	
68	Ferrite Bar	Ø10mmX60mm	1	pcs	
69	Inductor	100MH 6*10mm	1	pcs	L1
70	AM coil	3*19T5*0.4	2	pcs	L2.3
71	1708 Finished Goods Material				
72	Buzzer plate	Ø20mm	1	pcs	BUZ
73	Speaker	2.25" 8R 0.5W 32 magnet (Print :YF 8Ω 0.5W)	1	pcs	SPK1
74	LED display	1708 1.4" Blue Light	1	pcs	DISPLAY01
75	Adaptor	External adatpr EI35 IN120V Output AC6V 380MA wire length 1.5M (without connector)	1	pcs	
76	Battery Terminal	(1708) + x 1, - x 1	1	kit	
77	Screws	PA 2.6 x 10 D=5mm	4	pcs	back cabinet*4
78		PA 2.6 x 8 D=5mm	1	pcs	Trimmer PCB*1
79		PWA 2.6 x 8 D=10mm	2	pcs	Battery Terminal PCB*2
80		PA 3 x 10 D=5mm	1	pcs	AC wire*1
81		PA 3 x 12 D=5mm	2	pcs	Adaptor
82		PA 2.6 x 8 D=4mm	3	pcs	Main PCB
83		PWA 2.6 x 10 D=7mm	1	pcs	AM antenna holder
84		KA 2.0 x 8 D=3.5mm	1	pcs	Battery compartment cover
85	Wire/Socket	FCC 15P*80mm, single end socket with one end curve pin, pin distance 1.0mm	2	pcs	J2.4
86		UL 2651#26 2P*150mm single end socket, with curve pin, pin distance 2.0mm	1	pcs	Speaker wire
87		UL 2651#26 2P*150mm single end socket, with curve pin, pin distance 2.0mm (red/black)	1	pcs	Battery wire
88	Plastic	Front cabinet	1	pcs	
89		Back cabinet	1	pcs	
90		Buttons	1	kit	
91		Bar holder 28*15*22	1	pcs	
92		Display lens	1	pcs	

PART LIST

Product Name	Clock Radio	Date : 2014.02.21 REV:00 SUFFIX C			
Model No.	CKS-1708 REV:02 SUFFIX C				
Index	Product Name	Description	Qty.	Unit	Location
93	Battery	CR2032 Button Cell	1	pcs	
94	Rubber Foot	Black 10*5*1.5mm one side adhesive	2	pcs	Bottom cabinet
95	White Sponge	15*15*5mm one side adhesive	4	pcs	Button
96		60*15*5mm one side adhesive	1	pcs	Long button
97	EVA Sponge	both side with adhesive 25*10*2mm	1	pcs	AC adaptor
98		Single side with adhesive 25*10*2mm	1	pcs	AC adaptor
99	Packing	Gift box, IM, labels	1	set	

Accessories

1: Ower's Manual

2: Read this sheet Time Zone setting

SAFETY CHECKS AND TESTS AFTER SERVING

Constructional Checks

If mechanical or electrical(electronic) parts have been replaced be sure to follow the following steps.

- 1.1 Check for correct wiring, adequate mechanical decrements of parts, and firm connectors.
- 1.2 Check for adequate grounding.
- 1.3 Check the following items before turning the oven ON.
 - 1) AM / FM band is turn on
 - 2) No outer case damage.
 - 3) Battery is power

Insulation Resistance Test

If the low voltage power supply has been repaired, use a 500 V Mega ohmmeter to measure the resistance between the primary(Line and Neutral)of the power plug and operator accessible metal parts. The resistance should be no less than 2 Mega Ohms. Repair the oven again when necessary.

