

BC-15A

INSTRUCTION MANUAL

KENWOOD

KENWOOD CORPORATION

© PRINTED IN JAPAN B62-0254-08(K, E, M, P, T, X)
92/12 11 10 9 8 7 6 5 4 3 2 1 91/12 11 10

INSTRUCTION MANUAL

Notice to the user:

One or more of the following statements may be applicable to this equipment.

FCC Warning:

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

Information to the digital device user required by the FCC:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

BEFORE APPLYING POWER

IMPORTANT!

Units shipped to the U.S.A. and Canada are designed for operation on 120 V AC only.

Units shipped to the Europe are designed for operation on 230 V AC only.

Units shipped to the U.K. and Australia are designed for operation on 240 V AC only.

All other countries —

Check the rating label indicated on the rapid charger.

WARNING!

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

For United Kingdom

The mains plug must be removed from the wall socket prior to any internal examination.

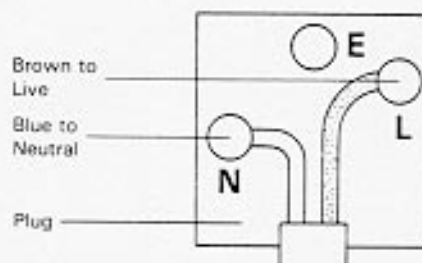
Important

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal making
Blue	N or Black
Brown	L or Red



Notes:

- 1) If a 13-amp plug is used, this must be fitted with a 5-amp fuse.
- 2) If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

■ IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

1. This manual contains important safety and operating instructions for rapid charger MODEL BC-15A.
2. Before using the BC-15A, read all instructions and cautionary markings on the BC-15A, battery, and product using battery.

3. CAUTION

To reduce risk of injury, charge only Nickel Cadmium type rechargeable batteries PB-13, PB-14, PB-17 and PB-18. Other types of batteries may burst causing personal injury and damage.

4. Do not expose the BC-15A to rain or snow.
5. Use of an attachment not recommended or sold by KENWOOD may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure;
 - a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - b. That extension cord is properly wired and in good electrical condition; and
 - c. That wire size is large enough for the BC-15A.
For cord length within 100 feet or less, the wire size should be not less than 18 AWG.
For cord length within 150 feet or less, the wire size should be not less than 16 AWG.
9. Do not operate the BC-15A with damaged cord or plug-replace them immediately.
10. Do not operate the BC-15A if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble the BC-15A; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug the BC-15A from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

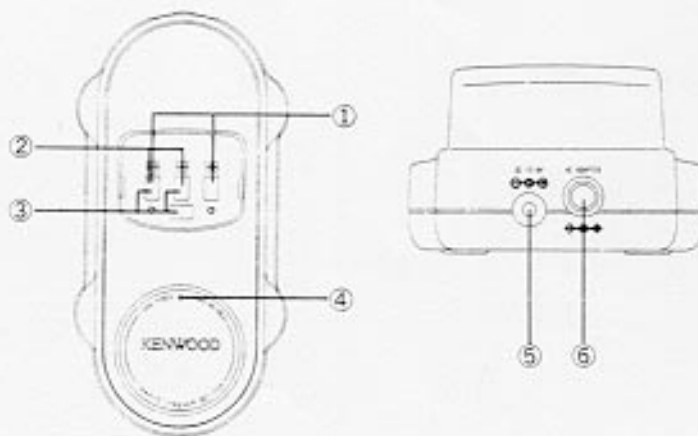
CAUTIONS

1. Place the charger as far away from any indoor antennas as possible, to reduce the chance of any interference.
2. The BC-15A is for charging the battery only. Do not attempt to operate the radio while it is inserted into the charger and the power switch is turned ON.
3. For this product use the attached AC adaptor (conforming to EIAJ, with plug of unified polarity type).
Use of other AC adaptor may induce troubles.
4. For operator safety, do not charge the transceiver in the mobile.

■ ACCESSORIES

AC adapter	1 ea.	
for U.S.A. and Canada version	W09-0575-XX	
for Europe version	W09-0576-XX	
for U.K. version	W09-0577-XX	
for Oceania version	W09-0578-XX	
for Other market	W09-0579-XX	
Holder	J30-0573-08	1 ea.
WARRANTY CARD (U.S.A. version only)	1 ea.	
INSTRUCTION MANUAL B62-0254-XX	1 sheet	

■ OPERATING CONTROLS

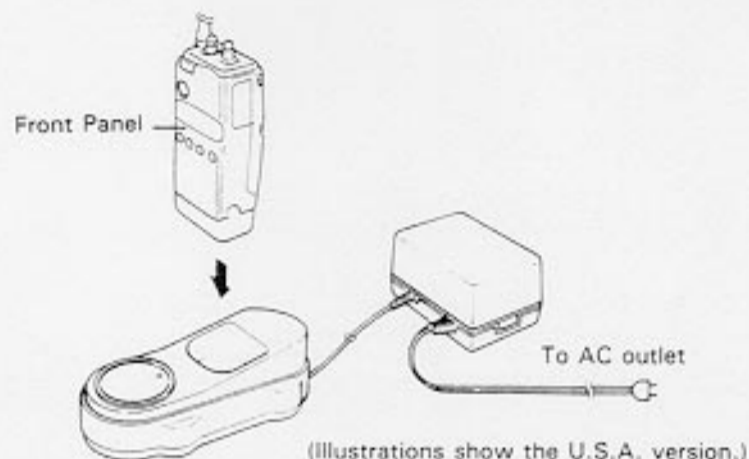


- ① Terminal for charging PB-13, PB-18
- ② Terminal for charging PB-14
- ③ Terminal for charging PB-17
- ④ INDICATOR
RED : This indicator is RED when the battery is charging.
GREEN : This indicator is GREEN when charging has been completed.
- ⑤ DC IN terminal
This terminal is used for an external power supply. Input voltage is 13.8 V DC nominal (MAX 3A). The center is the + side and the sleeve is - side. Connect the BC-15A to the external power supply by using the optional (PG-2W) DC cord.
- ⑥ AC ADAPTER terminal
This terminal is used for an AC adapter.

OPERATING INSTRUCTIONS

CHARGING

1. Interconnect the DC plug to the AC ADAPTER terminal.
2. Plug the AC cord into an AC outlet.
3. (1) Charging with the battery attached to the transceiver.
Turn the transceiver's power switch off.
Inserting the transceiver into the charger.

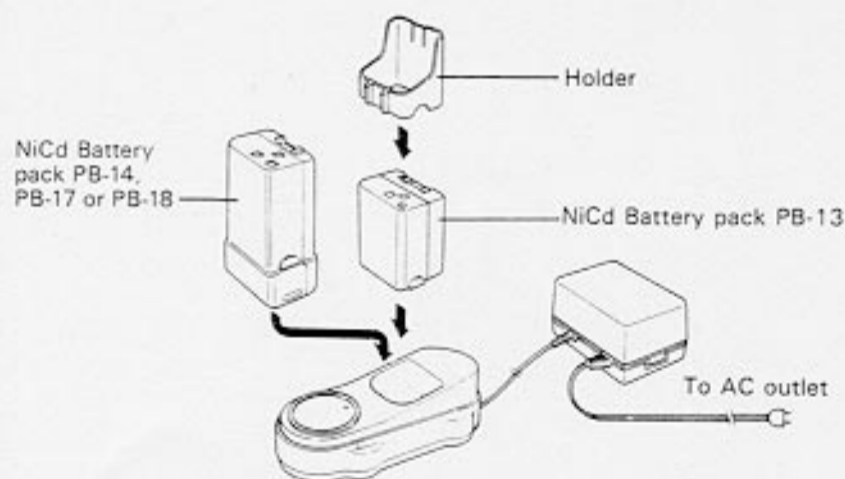


CAUTIONS

To prevent damage to the battery and/or poor charge performance, turn the transceiver's power switch off before attempting to charge the battery while it is attached to the transceiver.

- (2) Charging the battery alone.

- PB-13 ;
Fit the NiCd battery with the holder before inserting the pack into the charger.
- PB-14, PB-17 or PB-18 ;
Inserting the battery packs into the charger.



4. If the battery has been properly inserted into the charger the INDICATOR will turn RED, signaling proper operation.
(The INDICATOR will light depending on the residual charge on the battery.)
5. When the battery has reached full charge the INDICATOR will change to GREEN. It will require approximately 60 minutes (PB-13/14), 100 minutes (PB-17) or 90 minutes (PB-18) for this to occur.

6. Tilt the battery as shown and pull out it from the charger.



7. Disconnect AC adapter from an AC outlet after the battery has reached full charge.

MAINTENANCE INSTRUCTIONS

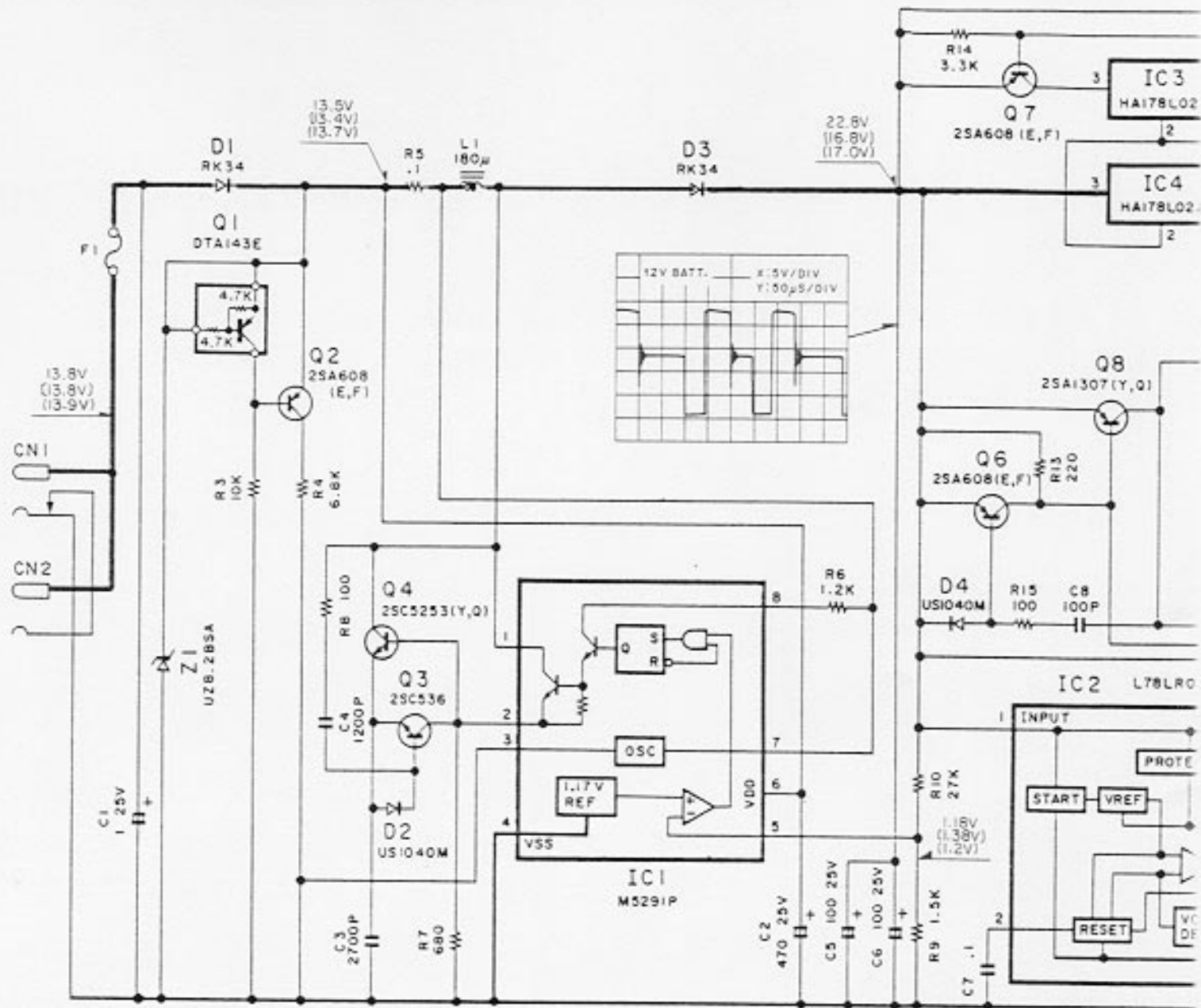
1. Do not use the BC-15A in high-temperature or high-humidity environments, in direct sunlight, or near a heater.
2. Do not subject the BC-15A to undue vibrations or impact.
3. Make sure that the NiCd battery pack, the BC-15A, and the power source are properly installed and connected.
4. Clean both terminals of the NiCd battery packs and the BC-15A with a soft cloth before charging.
5. NEVER USE SOLVENTS SUCH AS THINNER AND BENZINE FOR CLEANING.

SPECIFICATIONS

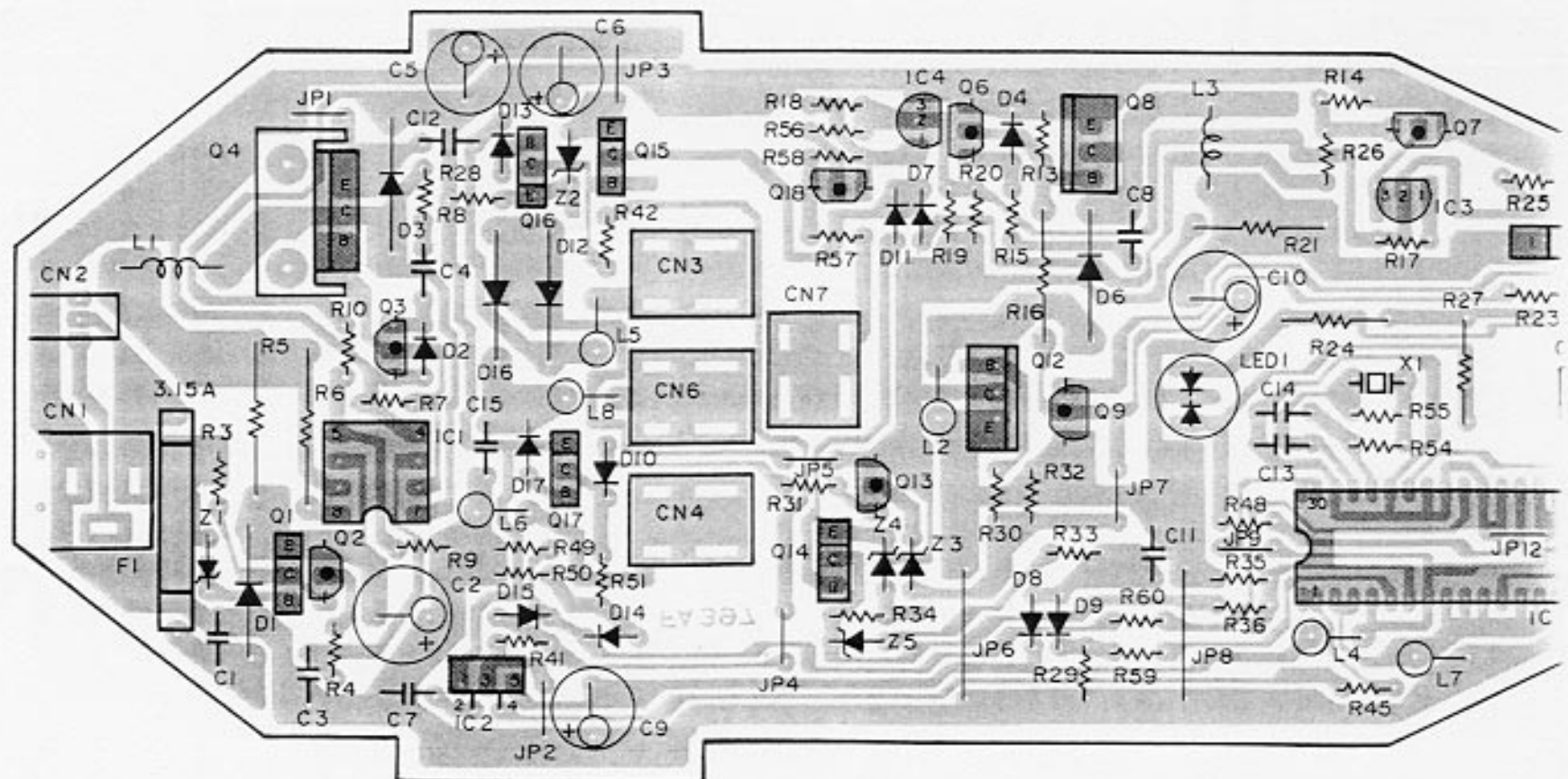
1. CHARGE TEMPERATURE RANGE:
5°C~40°C (41°F~104°F)
2. RECHARGING TIME (When fully discharged):
PB-13/14: Approx. 60 minutes
PB-17 : Approx. 100 minutes
PB-18 : Approx. 90 minutes
3. POWER REQUIREMENT:
13.8 VDC nominal (MAX 3A)

KENWOOD CORPORATION

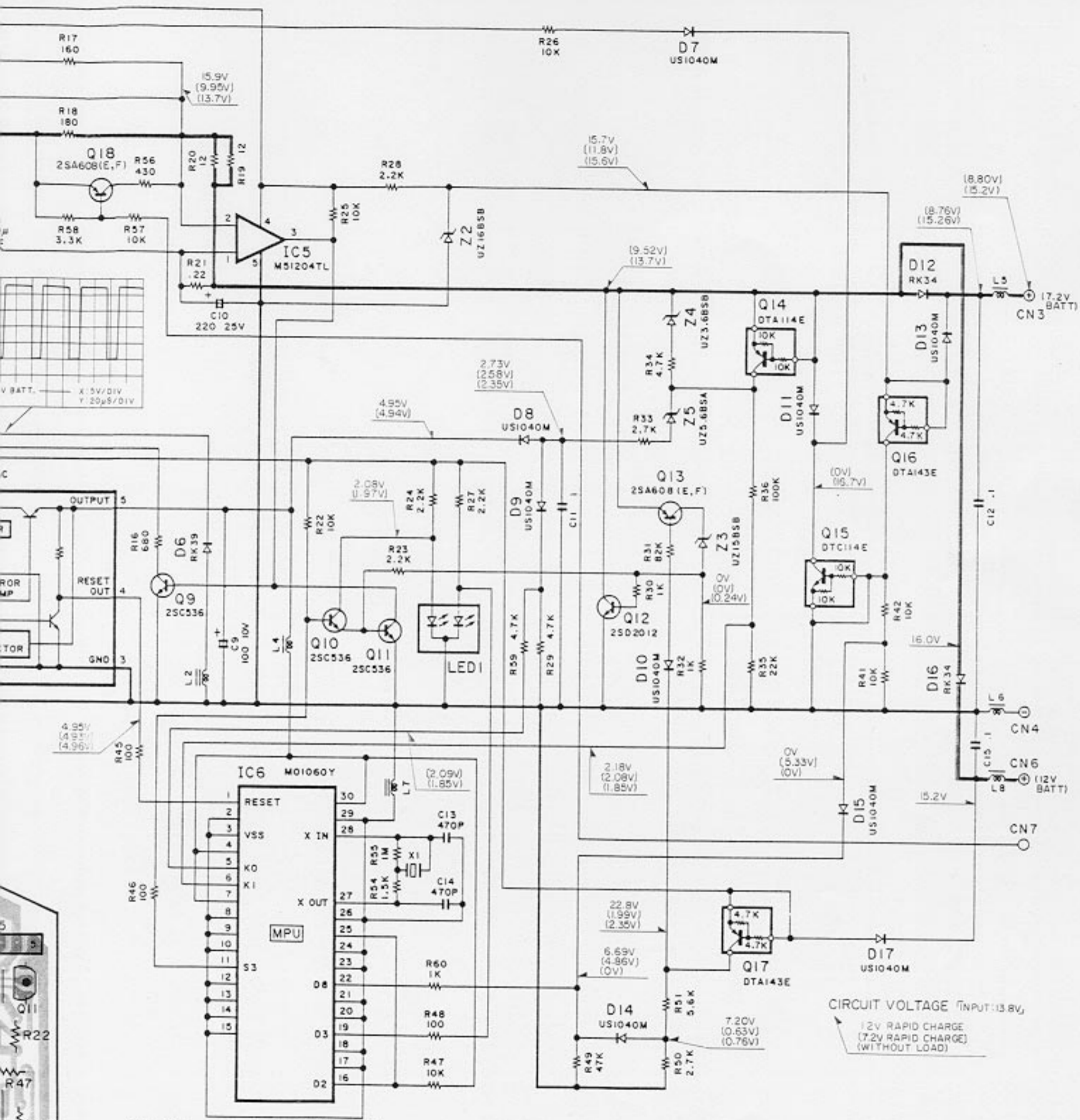
KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.
P.O. BOX 504, 8 Figtree Drive, Australia Centre, Homebush N.S.W.
2140, Australia



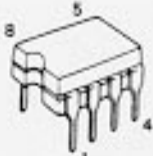
AVR UNIT (W02-1732-08) Component side view



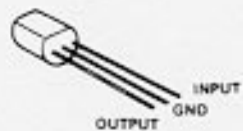
PC BOARD VIEW/SCHEMATIC DIAGRAM BC-15A



M5291P



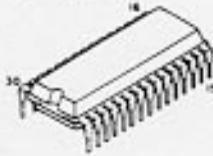
HA178L02A



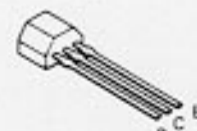
M51204TL



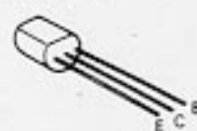
M01060Y



2SA608



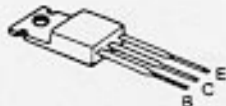
2SC536



DTA143E
DTA114E



2SC5253Y



2SA1307Y



2SD2012



L78LR05MAC

