

STATION, RADIO, B.C.C., HF 156

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Prevention of battery spillage

SUMMARY

1. Under normal conditions the accumulators used in the Transmitter-receiver, radio, B.C.C., HF 156, are unspillable provided the correct level of the electrolyte is not exceeded. This level is believed to be very critical and only a fractional amount of overfilling may make all the difference between spilling and not spilling.
2. Instances of spillage have been reported where the acid has seeped round the battery compartment and caused severe corrosion. To avoid this the topping up procedure detailed below will be adhered to and a warning notice will be fixed to each accumulator.

ACTION

3. Top up the accumulators with distilled water at the end of the charging period,

Issue 1, 29 Apr 63

Distribution - Class 333. Code No 3

Page 1

filling them to the red line only. Leave them on charge for a further half hour and then allow a short period for them to settle down before use.

4. At the end of the settling-down period the level of the electrolyte may have changed slightly but no further adjustment will be carried out.
5. Type out the following notice, preferably in red, and fix it with sellotape to the side of each accumulator opposite the label and on a level with the red lines

'NEVER FILL ABOVE RED LINE'
6. As these accumulators will only operate for a limited period in any position other than upright, equipments will always be mounted during use so that the batteries are in this correct, upright, position.
7. Accumulators will not be left in equipments which are returned to store or which are to be out of use for lengthy periods.
8. When equipments are being transported, care will be taken to ensure that the accumulators are in an upright position.

T/61139/1

END

R E S T R I C T E D

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS
(By Command of the Defence Council)

TELECOMMUNICATIONS
F 199 Misc Instr No 2

STATION, RADIO, B.C.C. HF156

TECHNICAL HANDBOOK -- MISCELLANEOUS INSTRUCTION

SUB-TITLE: Power supply unit - capacitor C5 replacement

1. Introduction

Capacitor C5, 2 μ F, 200V d.c., 1.1/4 in. lg x 1/2 in. dia. (Z1/5910-99-900-1517) is no longer available. This regulation details the action necessary to fit a replacement capacitor on failure of the existing component.

2. Stores to be demanded

<u>VAOS Section</u>	<u>Part No</u>	<u>Designation</u>	<u>Qty per eqpt</u>
Z1	5910-99-972-7760	Capacitor, fixed electrolytic, alum 2 μ F, +50 -20%, 350V d.c.	1
Z1	5340-99-932-5185	Clamp, loop, nylon 3/8 in. dia loop, 3/8 in. w., 5/32 in. dia. hole	1

3. Action

On the failure of capacitor C5 carry out the following action:-

- a. Unsolder capacitor C5 (Z1/5910-99-900-1517), noting the polarity of the connections.
- b. Remove and discard the clamp loop and defective capacitor but retain the fixing screw, nut and washer.
- c. Using the screw, nut and washer retained in b., fix the new nylon loop clamp and replacement capacitor ensuring that the capacitor polarity is as noted in a.
- d. Trim the capacitor wires to the required length and re-solder.
- e. Check that the equipment operates correctly.

4. EMER Amendments

The following amendment may be made to the regulation only when all related equipment has been changed.

1. Tels F 192 Part 2, Page 1013, Table 2502, CAPACITORS, item 5
 - a. Rating column: Delete: '200' Insert: '350'
 - b. Part No column: Delete: 'Z1/5910-99-900-1517' Insert: 'Z1/5910-99-932-7760'

T/61139/D & M/Tels

END

Issue 1, 22 Nov 67

Distribution - Class 333. Code No 3

Page 1

