

RECEIVER OUTFITS CAJ, CAK, CAL, CAM, CAN and CAP

CAJ
CAP

SUMMARY OF DATA

PURPOSE Receiver Outfits mainly used with Type 612 series for H.F., M.F., L.F. and V.L.F. reception. The receivers are designed as transportable watertight units.

MAJOR UNITS

Patt. No.	DESCRIPTION	PHYSICAL DATA			
		Height	Width	Depth	Weight
-	Receiver B46	11½"	18½"	10½"	43 lb
-	Receiver B47	11½"	18½"	10½"	39 lb
65167	Power Unit A.C. Receivers B46/47	8"	4½"	7½"	11½ lb
58426	Power Unit D.C. Receivers B46/47	6½"	4½"	7½"	5½ lb
-	Receiver B46 Carrying Crate	17½"	20½"	13½"	68 lb (loaded)
-	Receiver B47 Carrying Crate	17½"	20½"	13½"	64 lb (loaded)

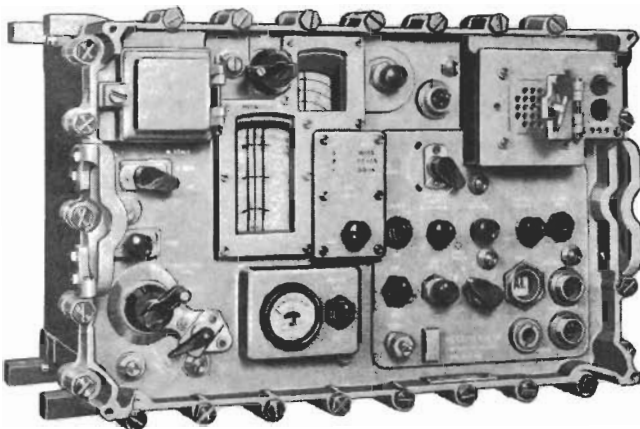
NOTE 1

Receiver Outfit CAJ comprises - Receiver B46 provided with both A.C. and D.C. Power Units.
 Receiver Outfit CAK comprises - Receiver B47 provided with both A.C. and D.C. Power Units.
 Receiver Outfit CAL comprises - Receiver B46 fitted with A.C. Power Unit.
 Receiver Outfit CAM comprises - Receiver B47 fitted with A.C. Power Unit.
 Receiver Outfit CAN comprises - Receiver B46 fitted with D.C. Power Unit.
 Receiver Outfit CAP comprises - Receiver B47 fitted with D.C. Power Unit.

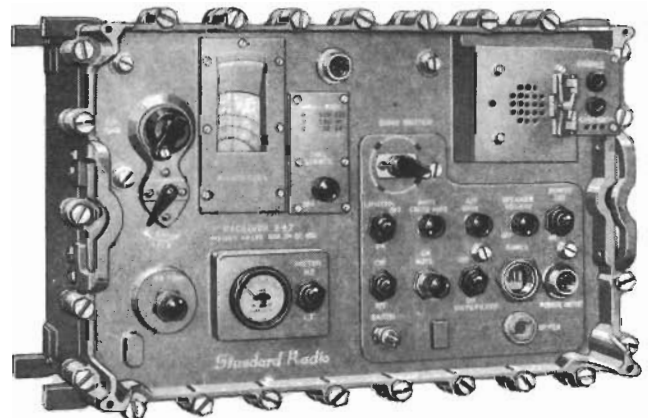
NOTE

Receiver B46 when fitted with Patt. 65167 Power Unit A.C. is called Patt. 65873.
 Receiver B46 when fitted with Patt. 58426 Power Unit D.C. is called Patt. 58674.
 Receiver B47 when fitted with Patt. 65167 Power Unit A.C. is called Patt. 65955.
 Receiver B47 when fitted with Patt. 58426 Power Unit D.C. is called Patt. 58675.

The label fitted on the front panel of the Receivers denoting the Patt. No. is reversible.



RECEIVER B46



RECEIVER B47

BRIEF DESCRIPTION OF MAJOR UNITS

Receiver B46

- Frequency Range - 1.4 - 15 Mc/s continuous in three ranges
- System - Superheterodyne I.F. 465 kc/s
- Sensitivity - On Voice and M.C.W. 10 μ V for a 20 db signal to noise ratio giving an output of 10 mW into 600 ohm line.
On C.W. 5 μ V under same condition.
- Selectivity - Narrow Band \pm 1.0 kc/s for 6 dbs.
Broad Band \pm 2.5 kc/s for 6 dbs.
- Max. Output - Loudspeaker, 250 mW
600 ohm line, 250 mW
One pair of 600 ohm telephones, 4 mW.

A note filter of 800 c/s can be switched into the A.F. circuit, and the receiver incorporates a 100 kc/s Crystal Calibrator.

Receiver B47

- Frequency Range - 15 - 27 kc/s continuous in single range
40 - 500 kc/s continuous in three ranges.
- System - Superheterodyne, I.F. 35 Kc/s.
- Sensitivity - On Voice and M.C.W., 10 μ V for 20 db signal to noise ratio giving output of 10 mW into 600 ohm line.
On C.W. 15 - 27 kc/s - 100 μ V for 16 db signal to noise ratio giving output of 10 mW into 600 ohms line.
40 - 500 kc/s, 4 μ V for 20 db signal to noise ratio giving output of 10 mW into 100 ohm line.
- Selectivity - \pm 0.75 kc/s for 6 db loss.
- Max. Output - Loudspeaker 250 mW
600 ohm line 250 mW
One pair of 600 ohms telephones 4 mW.

A note filter of 1 kc/s can be switched into the A.F. circuit.

POWER REQUIREMENTS AND CONSUMPTION

Receiver Outfits CAJ, CAK - 24V D.C. or 230V 50 c/s or 180V 500 c/s

Receiver Outfits CAL, CAM - 230V 50 c/s or 180V 500 c/s

Receiver Outfits CAN, CAP - 24V D.C.

Power Consumption - Receiver B46 - 42 watts

Receiver B47 - 26 watts

AERIAL SYSTEM

Receiver B46 - Any wire aerial 40 ft long of which at least half must be vertical, or whip aerial outfit AWG.

Receiver B47 - Any wire aerial 30 - 50 ft long of which at least half must be vertical, or whip aerial outfit AWG.

HANDBOOK

B.R.1616(1)(2)

ESTABLISHMENT LIST

E966

INSTALLATION SPECIFICATION

B685