



OSB type II
(Armia Krajowa #3)
Country of origin:
Poland

Corrections to the OSB section in the 'Poland' chapter of WftW Volume 4:
- The circuit diagram is that of the OSB type I.
- In the photo is an OSB type II.

This Supplement is a follow up of the 'OSB' section in the 'Poland' chapter of WftW Volume 4.

DATA SUMMARY

Organisation: Polish Home Army (Armia Krajowa).
Design/Manufacturer: Clandestine Polish Home Army Radio Workshops e.g. Warsaw University of Technology.
Year of Introduction: 1942/43.
Purpose: Communication receiver for Polish Home Army.
Receiver OSB type II:
Frequency coverage: 3.5 - 9MHz. IF 1.5MHz
Circuit features: Mixer/oscillator, Reg. IF/Det, AF, based on the 1936 'Super-Gainer' design.
 The IF valve could be brought into oscillation for CW reception by means of the reaction control.
AF output: High impedance headphones.
Valves: EK2 and 2x EF6.
Power Supply: 100/110/120/150/180/200/220V AC mains; Rectifier using an EZ11, EBC11 or EBF11.
 As an alternative, separate power (Batteries or a 6V DC vibrator power pack) could be connected to the 5-point front panel socket after removing a dummy plug.
Dimensions (cm) and weight:
 Height 6, length 12.5, width 18; weight 2.650kg.

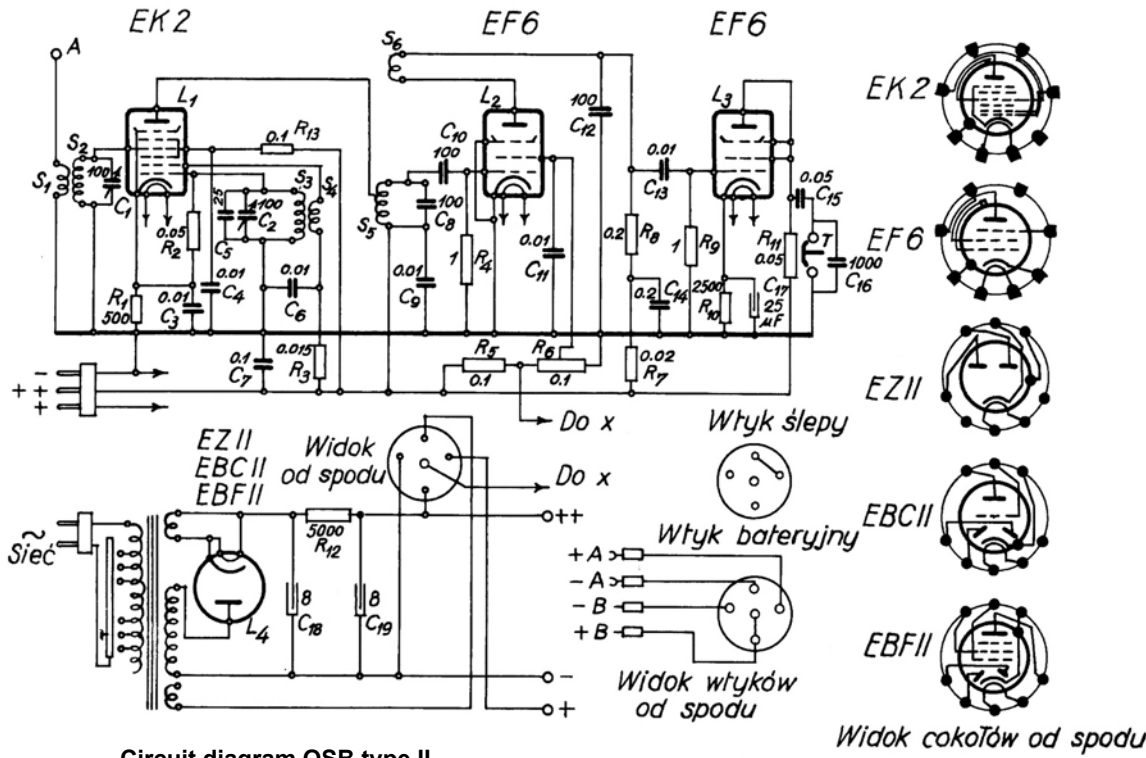
References:

- Colour photographs, circuit diagrams, drawings and advice were kindly provided by Bogdan Szkudlarek, SP3LD, Poland.
- *Zolnierze Lacznoej Warszawy* (Communications soldiers of fighting Warsaw), Kazimierz Malinowski, Warszawa 1983, isbn 83-211-0378-2.
- *Wireless for the Warrior, Volume 4, Clandestine Radio*, Louis Meulstee, Wimborne 2004, isbn 095263 36 0.

REMARKS

The OSB type II (Odbiornik Sieciowo-Bateryjny, translated Mains-Battery Receiver) was a miniature short wave receiver. It was made in clandestine radio workshops, including the Warsaw University of Technology, from 1942 onwards for the Polish Home Army. The receiver was built into a metal toolbox case. The circuit, using locally available components, was believed to be a copy of the receiver section of the Polish A1, produced in England by the Polish Military Wireless Research Unit in Stanmore and dropped into Poland. There were two functionally similar versions: OSB type I (Chapter 292) and OSB type II which differed considerably in the mechanical construction, layout of the front panel and circuit diagram.





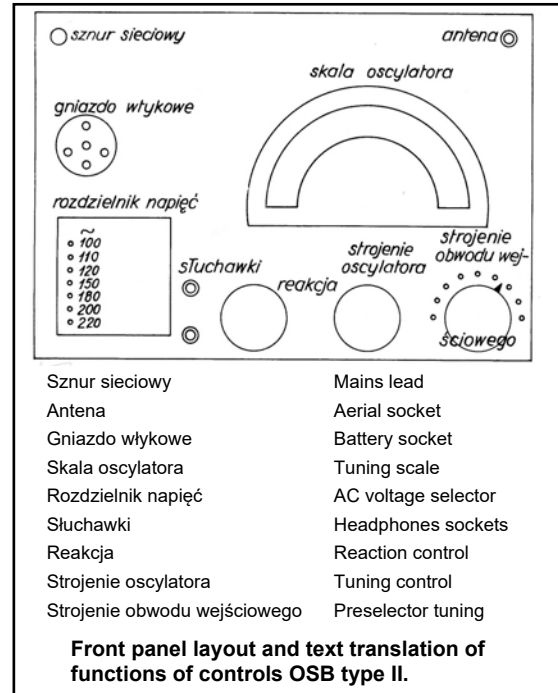
Circuit diagram OSB type II.

6H6 rectifier.



Internal view of OSB type II s/n 905 (using a 6H6 rectifier valve above) and that of s/n 952 (below). Note a selenium rectifier in s/n 952.

Selenium rectifier.



Front panel layout and text translation of functions of controls OSB type II.



Front panel of a second OSB type II (s/n 952) that survived.