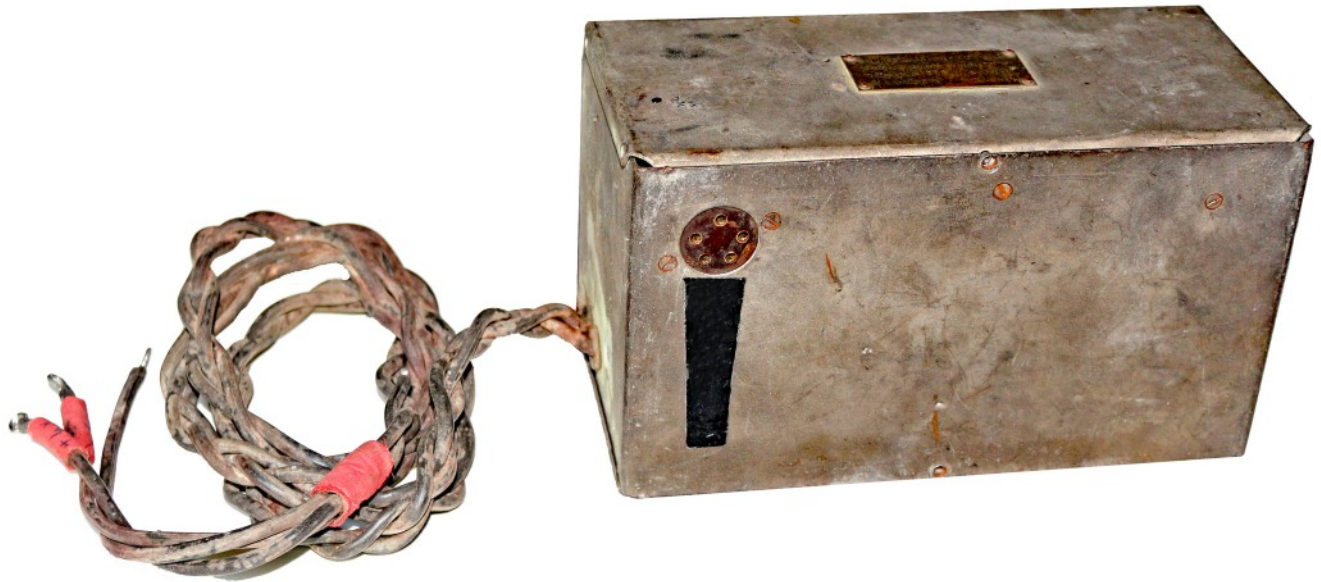


Volume 2 AMENDMENT No. 7

Date of issue: May 2022.

After the publication of 'Wireless for the Warrior' Volume 3 'Wireless Sets of WW2', a small number of minor (typing) errors and incorrect data was spotted. Corrections, additional photos and newly found items are published in 'Volume 2 Amendments'. Double side printed on A4 paper, cut away circa 7mm from the bottom and side of the sheet. The prepared sheets will fit snugly between the inside cover and dust cover flap. It is further suggested to amend the text corrections in the book with e.g. a (red) pencil or a fine-liner.



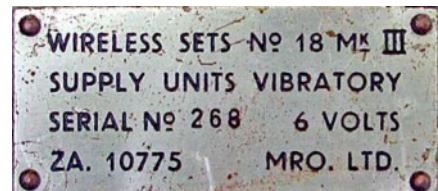
Vibrator Supply Unit for Wireless Set No. 18 Mk.III.

DATA SUMMARY

Organisation: British Army.
Design/Manufacturer: MRO Ltd.
Year of Introduction: Probably 1942/43.
Purpose: Accumulator powered supply unit replacing the combined battery, believed for training, testing, repair.
Power Supply: Providing 4V LT, 150V HT and -12V GB.
Size (cm): height 12, length 21, width 10.
Weight (kg): 3.1.
VAOS number: ZA 10775.
Accessories: 6V accumulator with a tap at 4V, and a 3ft 6in extension cable (Connector 5-pt, No. 6 Mk.III).

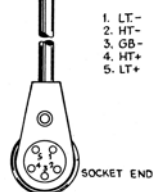
REMARKS

'Wireless Sets No. 18 Mk.II Supply Units Vibratory' was most probably a replacement for the battery pack when a Wireless Set No. 18 Mk.III was used for training (and possible testing or repairs). It was placed externally to the No. 18 Set, connected via a 5-pt connector, similarly as with the static battery as used with e.g. a Carrier Universal, sledge or animal-pack station. The vibrator power unit was enclosed in a sheet metal box comprising a synchronous vibrator with step up transformer, with the usual filtering, providing 150V HT and -12V GB.

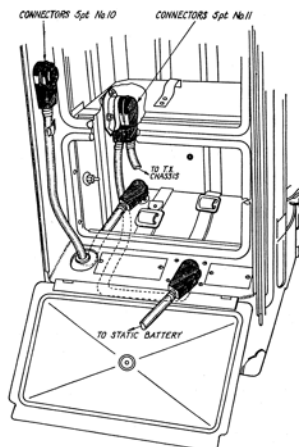


Close up view of the type number plate of the unit shown in this Amendment. It is estimated that about 300 might have been made considering much lower serial numbers spotted on a few other units.

Connector 5-pt, No. 6 (left).

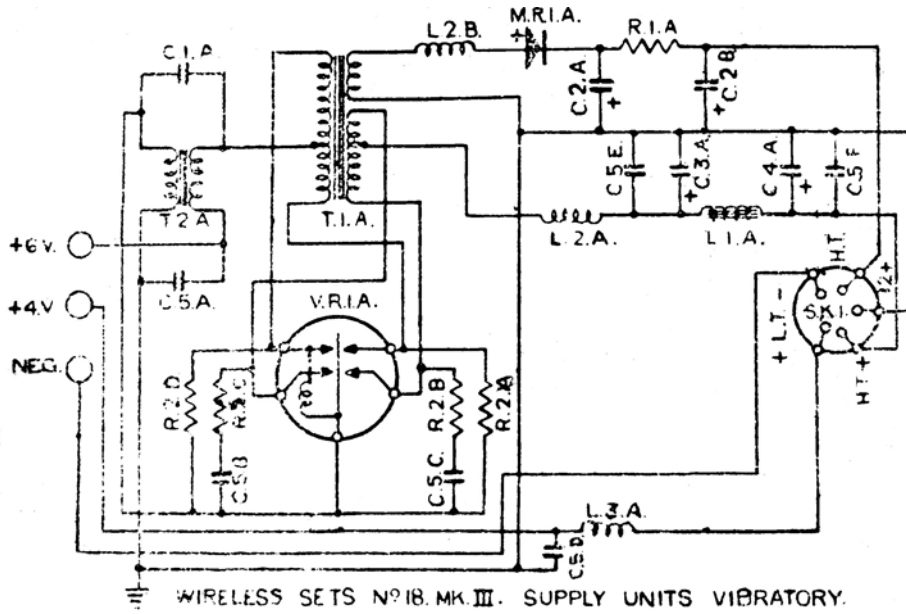


Arrangement of connecting an external power source to a Wireless Set No. 18 Mk.III (right).



References

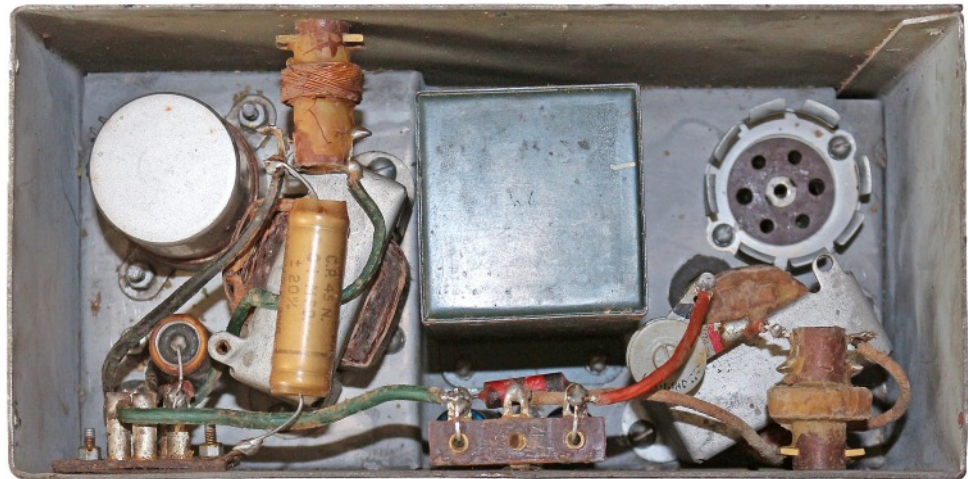
- Wireless for the Warrior, Volume 2, Chapter WS No. 18, Louis Meulstee, March 1998, GG Arnold Partners, Dorset, UK, ISBN 1898805 10 5.



CONDENSERS		
C.1	1000µF 12V.W.F. ELECTROLYTIC	ND
C.2	50µF	"
C.3	0.8+4µF 350V	"
C.4	IN TUBE	"
C.5	0.1µF 450V.W. PAPER COND	"
RESISTORS		
R.1	500Ω 1/4 WATT	"
R.2	140Ω	"
INDUCTANCES		
L.1	7H SMOOTHING CHOKE	"
L.2	RF FILTER	"
L.3	HEATERS	"
TRANSFORMERS		
T.1	600V VIBRATOR	"
T.2	INPUT ISOLATING	"
METAL RECTIFIERS		
M.R.I.A.	SELENIUM TYPE RECTIFIER	"
SOCKETS		
SK.1	OUTPUT	"
VIBRATOR		
V.R.I.A.	No 7	"

Circuit diagram of the Wireless Set No. 18 Mk.III vibrator supply unit. It was photographed from a printed sheet glued at the back side of the top lid, enhanced with Photoshop Elements.

Internal view of the vibrator supply unit seen from top with cover detached.



Bottom view of the No. 18 Set vibrator supply unit.

