

## Broadcast receiver "Talisman" 305U, 306U, 307U, 308U.

(Summary translation by Al Bolton)

### Main technical details:

Wave bands: 3

IF frequency: 452 kHz

Average sensitivity: Short-Wave 110uV, medium- and long-wave 60 uV

Average bandwidth: 12 kHz

Output specifications: 105 W (0.7W for 120 Volts)

Loudspeaker: Dynamic with permanent magnet, width 100 mm, impedance 4 Ohms

Power requirements; DC and AC 30 to 100 Hz with Voltage 120 and/or 220 V.

Power consumption: 32 W when used on 120 V, 45 W when used on 220 V.

(Current at 220 V is 220 mA +/- 10 %)

**Alignment:** Caution! The chassis is live! When repairing the set, feed power through an isolating transformer or similar device and earth the chassis. When aligning the dial on the 305 U, do so that the extreme positions of the tuning capacitor [i.e. when the tuning capacitor is fully enmeshed and fully open] are when the dial pointer is equally distant from the extreme ends of the dial. For 306-308U, such that for the highest capacity of the tuning cap [i.e. when the tuning capacitor is fully enmeshed], the dial pointer is at a right angle to the [Tesla] mark and pointing straight up.

### Alignment instructions

P	Receiver Settings					OUT
	Injection point	Input frequency	Band	Dial point	Alignment actions	PUT
1	Via a 30 000pF on to the E1 heptode (IF alignment)	452 kHz	MF	at 200m	L24+L24' then L23, L22, L21	Max
2	Through antenna socket of the receiver	452 kHz	MF	at 500m	L40	Min
3	As 2	6 MHz	Short wave	*50m	L28 then L27	Max
4	As 2	15 MHz	Short wave	*20m	C14 then C13	Max
5	As 2	550 kHz	MF	*545m	L35 then L31	Max
6	As 2	1500 kHz	MF	*200m	C31 then C27	Max
7	As 2	160 kHz	LW	*1875m	L34 then L33	Max