

Alignment data

A) Intermediate frequency 460 kc/s.

Press push-button "BC"

1. Turn dial hand to left side of dial (1650 kc/s).
2. Turn volume control to maximum output.
3. Connect outputmeter to the primary of the output transformer.
4. Connect dummy aerial (200 pF and 400 ohms in series) of signal-generator to control grid of valve ECH81. Then align filters IV, III, II and I to maximum indication on the outputmeter.
5. Connect dummy aerial to aerial and earth sockets and adjust I. F. trap V to minimum indication on outputmeter.

B) Medium wave

1. Turn tuning condenser to 515 kc/s on dial and set hand to calibration points on the right end of BC and SW 2 dial.
 2. Adjust oscillator (h) and R. F. (a) coils at calibration point 555 kc/s to maximum indication on outputmeter.
 3. Adjust oscillator (g) and R. F. (d) trimmers at calibration point 1480 kc/s to maximum indication on outputmeter
- Repeat operations No. 2 and 3 until no further advantage is achieved.

C) Short wave 1

Press push-button "SW 1"

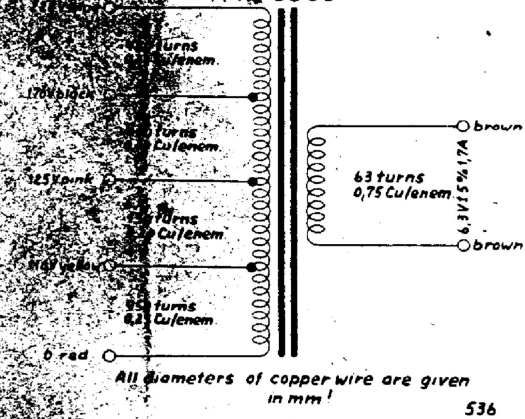
1. Adjust oscillator (i) and R. F. (b) coils at calibration point 1700 kc/s to maximum indication on outputmeter.
 2. Adjust R. F. trimmer (e) at 6,1 Mc to maximum indication on outputmeter.
- Repeat operations No. 1 and 2 until no further advantage is achieved.

D) Short wave 2

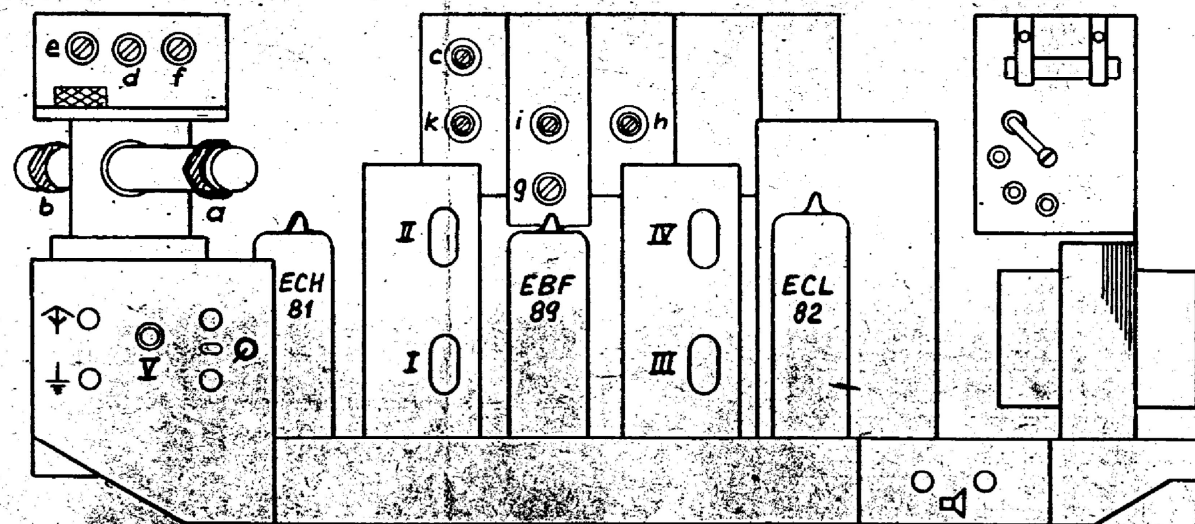
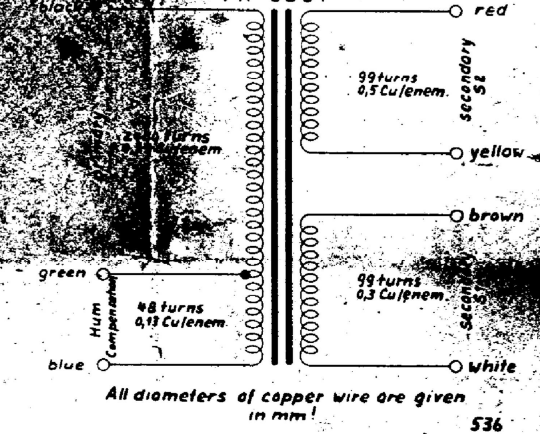
Press push-button "SW 2"

1. Set R. F. trimmer (f) to maximum capacitance at the beginning of alignment.
 2. Adjust oscillator (k) and R. F. (c) coils at calibration point 6,1 Mc/s to maximum indication on outputmeter.
 3. Control of I. F. image frequency:
As the oscillator frequency is adjusted above the R. F. input frequency, the image frequency of 6,1 Mc/s appears. When signal generator is set to 7,02 Mc/s.
 4. Adjust R. F. trimmer (f) at 18,5 Mc to maximum indication on outputmeter.
- Repeat operations No. 2 and 4 until no further advantage is achieved.

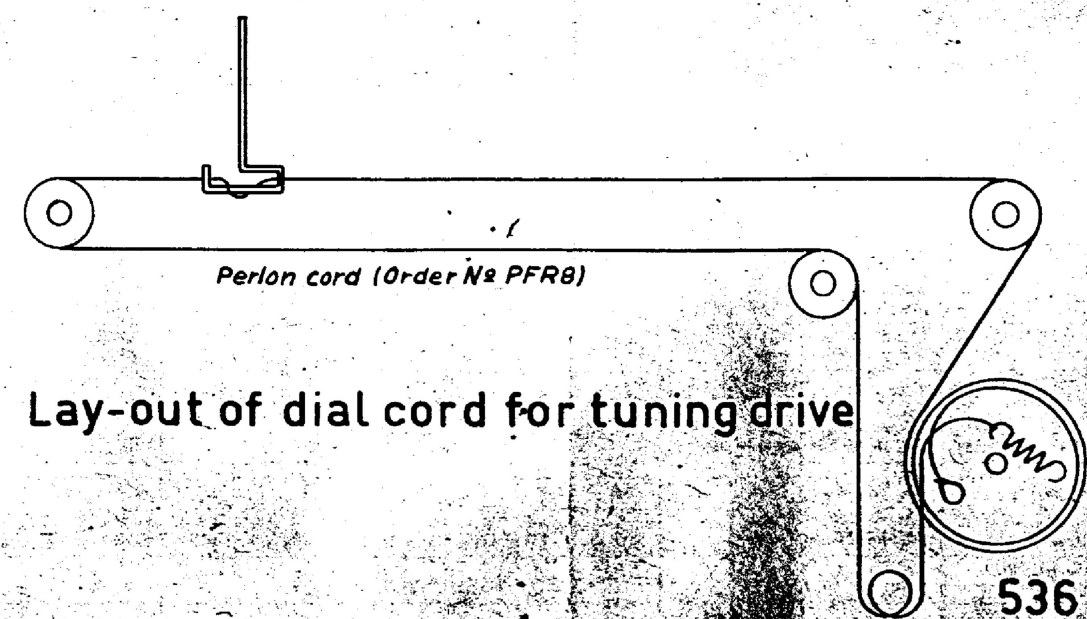
Colour Code of Mains Transformer MF 5355



Colour Code of Output Transformer MF 5357



Rear view of chassis 53



Lay-out of dial cord for tuning drive