

ALIGNMENT PROCEDURE

ALIGNMENT EQUIPMENT

Signal Generator - Modulated 400 c. p. s.
Output Meter - 15 ohms impedance
Series Capacitor - Sig. gen. for I. F. T. alignment .1 uF.
Part No. 4006-005-03

Alignment Tools

- (a) Flat metal blade each end - Part No. 4121-001-01 for I. F. T., R. F., and Osc. coil iron core adjustment.
- (b) Chisel point type - Part No. 4121-005-01 for trimmer capacitor adjustment.

ALIGNMENT CONDITIONS

Open cabinet by unscrewing the single screw located on the rear, near base of cabinet.

Volume Control - maximum (fully clockwise).
Output Level - 50 milliwatts
Output Meter Connection - across speaker voice coil.
Supply voltage - 9 volt battery.

INTERMEDIATE FREQUENCY TRANSFORMER ALIGNMENT

Insert .1 uF capacitor in series with generator "hot" lead.

Oper. No.	Generator Connection	Generator Frequency	Instructions.
1.	To circuit board pin Junction of circuit No. 7 and pin 5 of R. F. Coil	455 Kc/s	Turn tuning gang to high frequency end stop, plates full open. Peak iron core of 3rd I. F. trans. for max. output.
2.	As oper. 1	455 Kc/s	Peak iron core of 2nd I. F. trans for max. output.
3.	As oper. 1	455 Kc/s	Peak iron core of 1st I. F. trans. for max. output.
4.	Repeat operations 1, 2 and 3.		

DIAL POINTER SETTING

Fully mesh the tuning capacitor plates and align centre of indicator pointer with the centre of the low frequency end of travel spot on dial.

BROADCAST ALIGNMENT

- A. To inject a signal into the receiver, connect 2 ft. of aerial wire to the "hot" terminal of signal generator. Fashion wire into a vertical position.
- B. Place receiver so that ferrite aerial is uppermost and horizontal. Tuning end of receiver is to be toward but not less than one foot from generator aerial wire.

ASTOR

AF116N

2N412

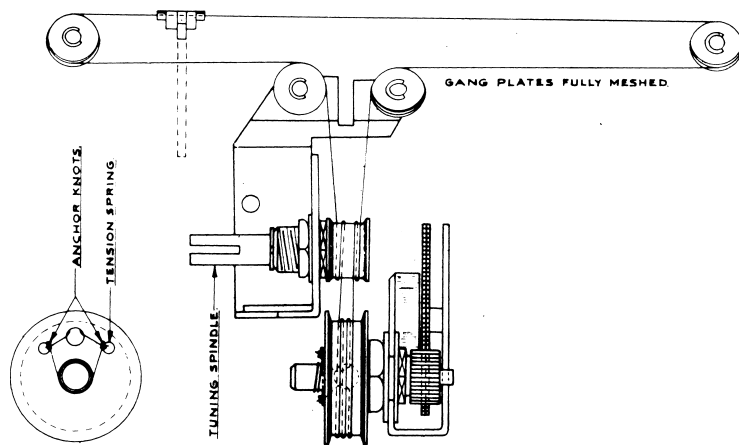
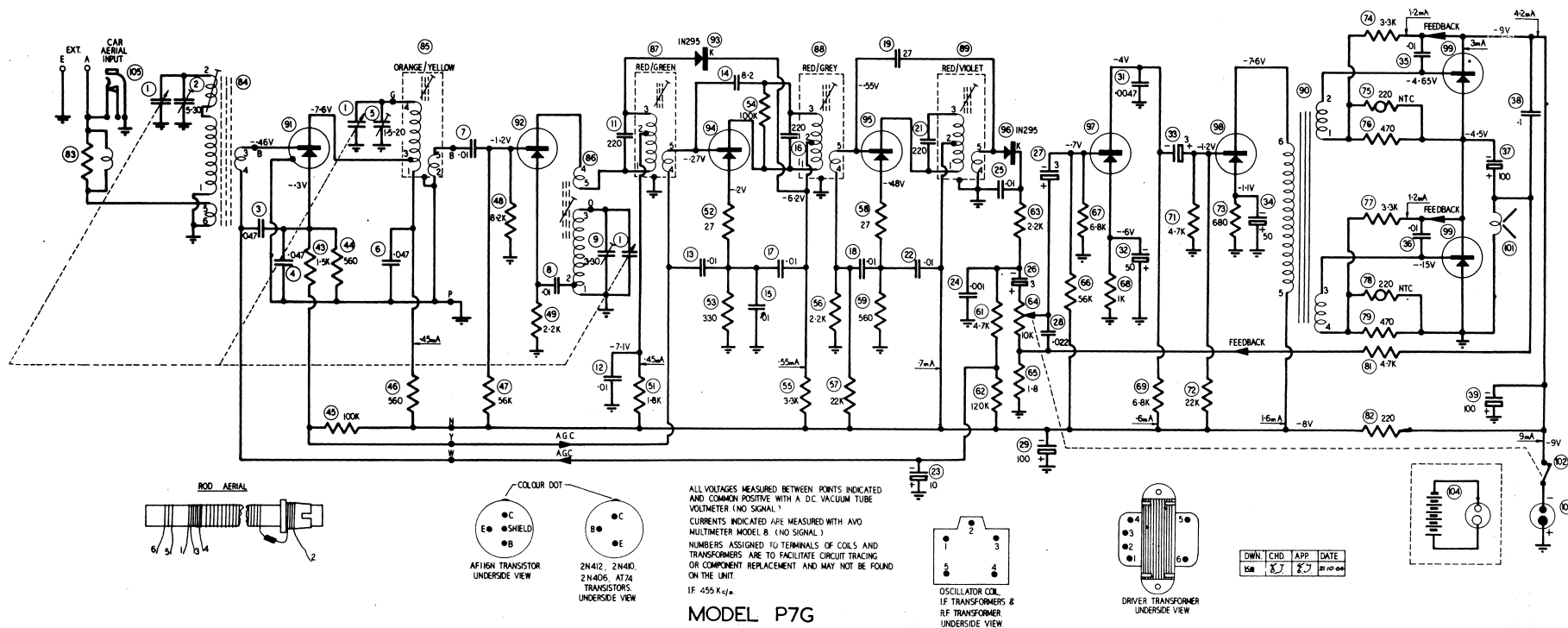
2N410-E

2N410-B

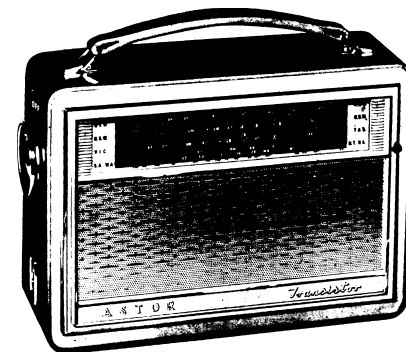
2N406

2N406

2-AT74



SIDE VIEW OF DIAL DRUM.



Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	Refer Para A and B	600 Kc/s	Turn tuning gang until dial pointer aligns with 600 Kc spot on dial. Adjust oscillator and R. F. coil iron cores and aerial movable winding for maximum output.
2.	As oper. 1	1400 Kc/s	Turn tuning gang until dial pointer aligns with 1400 Kc spot on dial. Adjust oscillator, R. F. and aerial trimmer capacitors for maximum output.
3.	Repeat operation No. 1.		
4.	As oper. 1.	1400 Kc/s	Tune receiver to 1400 Kc signal then adjust aerial trimmer capacitor for maximum output whilst rocking gang through signal.

Tuning range after alignment: 528 - 1605 Kc/s approx.

ASTOR MODEL P7G

STORAGE WHEN OUT OF USE

It is not advisable to leave an exhausted battery in the receiver. If the receiver is stored away or not required for long periods, even partly-used batteries must be removed and stored in a dry cool place. This is a precautionary measure against the swelling and corroding action of worn-out batteries, which applies to all battery operated devices, such as torches, etc.

CLEANING OF CABINET

Do not polish the plastic or metal sections with an abrasive material, motor car polish, boot polish or similar household cleaning fluids as permanent damage may result to the finish of the cabinet. To restore the finish of the cabinet wipe with a soft cloth dampened with water and lightly polish with a neutral wax.

SUPPORT STRAP - RECEIVER TO CAR SEAT

A strap and strip assy is supplied, to prevent the receiver from tipping whilst in use on a car seat. Loop the strap to the handle of receiver. Fashion the rigid strip section to form a hook over the back support section of seat.

GUTTER MOUNT AERIAL

This aerial Part No. 4074-047-02 is available and is to be installed on the car in accordance with the installation instructions supplied with aerial. The plug on end of lead-in cable is to be inserted into the aerial socket on side of receiver.