

ASTOR MODEL P12L

ALIGNMENT EQUIPMENT

Signal Generator - modulated 400 cps
 Output Meter - 15 ohm impedance
 Generator Series Capacitor - .1 mF. Part No. 4006-005-03
 Alignment Tool

Flat metal blade end - Part No. 4121-001-01 for I. F. T. and Osc. coil iron core adjustment and trimmer capacitor adjustment.

ALIGNMENT CONDITIONS

Volume Control - maximum setting
 Output Level - 6 milliwatts
 Output Meter
 Connection - to receiver earphone socket. Plug, Part No. 7171-015-01 is available for this purpose.
 Supply Voltage - 6 V. DC. (four 1.5V cells in series)

INTERMEDIATE FREQUENCY TRANSFORMER ALIGNMENT

Remove two screws and prise rear section off cabinet. The receiver chassis does not have to be removed from cabinet for alignment purposes.

Fully mesh tuning gang plates and loosen tuning indicator locking screw. Set indicator to low frequency end of travel dial spot then tighten lock screw.

Set tuning control to high frequency end of travel.

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

Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	To pin on circuit board (term 3 of slab aerial)	455 Kc/s	Adjust iron core of 3rd IF trans. for max. output.
2.	As oper. 1	455 Kc/s	Adjust iron core of 2nd IF trans. for max. output.
3.	As oper 1.	455 Kc/s	Adjust iron core of 1st IF trans. for max. output.
4.	Repeat operations 1, 2 and 3.		

BROADCAST ALIGNMENT

A. To inject a signal into the receiver connect 2ft. 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.

Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	Refer Para. A & B	600 Kc/s	Set tuning indicator to 600 Kc/s spot on dial. Screw in aerial trimmer to max. capacity then unscrew a half turn. Adjust iron core of oscillator coil for maximum output whilst rocking tuning gang thru signal.
2.	As oper. 1.	1400 Kc/s	Set tuning indicator to 1400 Kc/s spot on dial. Adjust oscillator and aerial trimmer capacitors for max. output. Do not rock gang.
3.	As oper. 1.	600 Kc/s	Tune receiver to generator. Adjust iron core of osc. coil for max. output whilst rocking gang thru signal.
4.	Repeat operations 2 & 3		
5.	Tuning range 520 to 1610 Kc/s approx.		

TUNING INDICATOR DISC SETTING

Loosen disc locking screw, anticlockwise. Rotate the disc for optimum logging of the local stations then securely tighten lock screw.

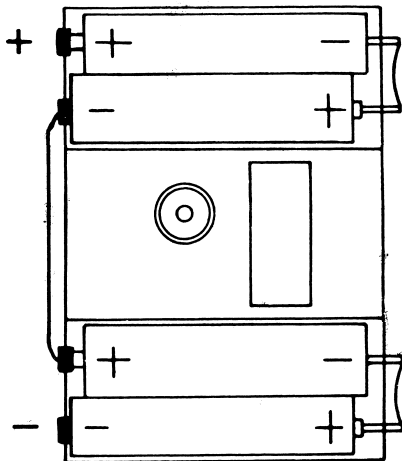
"P12L"

BATTERY REPLACEMENT

1. Remove screws and lift back off cabinet.

NOTE: It is most important that the cells be installed with the polarity as shown on diagram.

2. Before fitting new cells, lay the tapes provided into the cavities of battery holder.



CHASSIS REMOVAL

1. Hold tuning disc firmly, turn locking screw anticlockwise then remove screw, disc, rubber washers and extension bush from tuning shaft.
2. Remove screws and lift back off cabinet.
3. Remove batteries then remove a screw from each of the lower cavities in battery holder.
4. Remove hexagonal bush located between volume control and tuning gang.
5. Remove the chassis by lifting firstly the end near the tuning gang then the battery end. Note position of spacer washer on chassis screw.

REFITTING THE CHASSIS

1. Reverse removal instructions. Check that spacer washer is located on chassis screw.
2. Set tuning indicator as detailed in Alignment Procedure.

CLEANING AGENT FOR PLASTIC BAG AND MOULDED PLASTIC CASE

Do not polish the plastic bag or the moulded plastic case with an abrasive material, motor car polish, boot polish or similar household cleaning fluids as permanent damage may result to the finish of the plastic bag or the moulded case.

To restore the finish of the plastic bag and moulded case wipe with a soft cloth dampened with water and lightly polish with a neutral wax.

2N412

2N410-E

2N410-B

2N406

2N406

2N408

