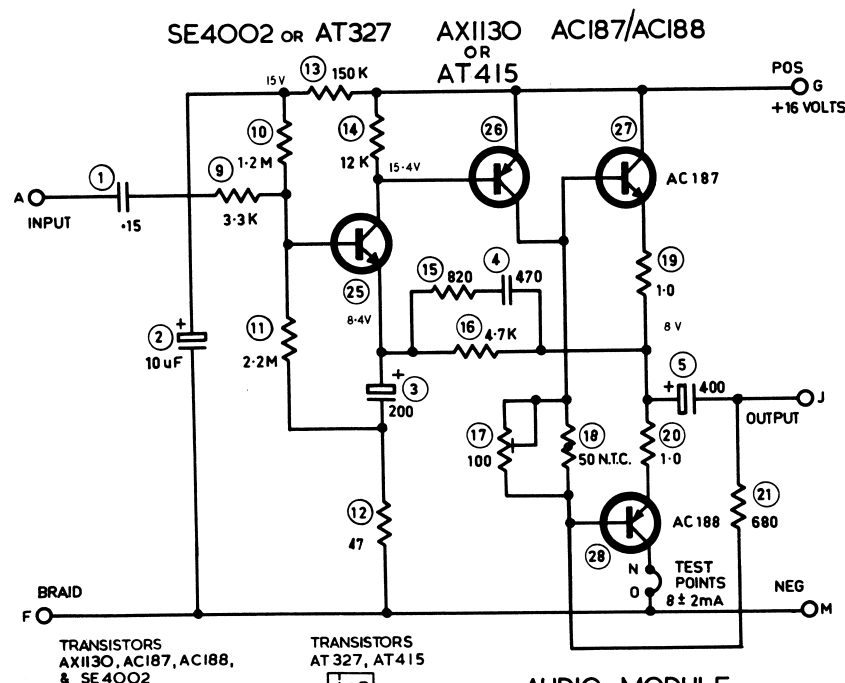


DRAWN	DATE	CHK'D	APP'D	DATE
A.J.R.	15-6-67	<i>[Signature]</i>	<i>[Signature]</i>	10-10-67

PB 1546 A B



TRANSISTORS  
AX1130, AC187, AC188,  
& SE4002

TRANSISTORS  
AT 327, AT 415

CHAMFER  
TYPE NO.

UNDERSIDE VIEW

## AUDIO MODULE

PART NO 4067-007-01

DRAWN	DATE	CHK'D	APP'D	DATE
K.J.D.	16.5.67	<i>[Signature]</i>	<i>[Signature]</i>	13-9-67

ISSUE 2 PB1647

## ALIGNMENT EQUIPMENT

Signal Generator	-	modulated 400Hz
Output Meter	-	15 ohm impedance
Series Capacitor	-	for I.F.T. alignment .1uf Part No. 4006-005-03

## Alignment Tools

- Flat metal blade each end - Part No. 4121-001-01 for I.F.T. and osc. coil iron core adjustment.
- Hexagonal socket type - Part No. 4121-028-02 for trimmer capacitor adjustment.

## ALIGNMENT CONDITIONS

Function Switch	-	RADIO position
Volume Control	-	maximum, clockwise
Tone Control	-	maximum treble, clockwise
Output Meter Connection	-	across speaker voice coil
Output Level	-	25 milliwatts
Supply Voltage Source	-	240 Volts 50 Hz

## SETTING THE DIAL POINTER

Turn tuning spindle until tuning capacitor plates are in mesh against stop. Slide pointer along cord until it aligns with end of travel spot on dial reading.

## INTERMEDIATE FREQUENCY TRANSFORMER ALIGNMENT

Set tuning control to high frequency end of travel position. Insert .1uF capacitor in series with generator "hot" lead.

Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	to pin on circuit board (Term 3 of rod aerial)	455 KHz	Adjust iron core of 3rd IF trans. for max. output.
2.	As oper. 1	455 KHz	Adjust iron core of 2nd IF trans. for max output.
3.	As oper. 1	455 KHz	Adjust iron core of 1st IF trans. for max output.
4.	Repeat operations 1, 2 and 3.		

## BROADCAST ALIGNMENT

- 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.
- 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	525 KHz	Tuning gang plates fully meshed against end of travel stop. Adjust oscillator coil iron core and rod aerial adjusting coil for maximum output.
2.	As per oper. 1	1400 KHz	Set tuning pointer to 1400 KHz spot on dial. Adjust oscillator and aerial trimmer capacitors for maximum output.
3.	As per oper. 1	600 KHz	Tune receiver to generator signal and adjust rod aerial coil for max. output
4.	As per oper. 1	1400 KHz	Tune receiver to generator signal. Adjust aerial trimmer capacitor for max. output.

Tuning range after alignment - 525 to 1610 KHz.

**ASTOR ELECTRONICS PTY. LTD.**

DIVISION OF ELECTRONIC INDUSTRIES LTD., BOX 183, P.O. SOUTH MELBOURNE

Reg. Office: Astor House, 161-173 Sturt St., South Melbourne.

**ASTOR MODEL "GB023"****7 TRANSISTOR BROADCAST BAND RECEIVER**

AND A FOUR-SPEED RECORD PLAYER

FOR OPERATION FROM 240 VOLT 50 Hz SUPPLY MAINS



<b>Tuning Range:</b>	525 - 1610 KHz
<b>Intermediate Frequency:</b>	455 KHz
<b>Power Output:</b>	1 Watt
<b>Supply Source:</b>	240 Volt 50 Hz
<b>Power Consumption:</b>	Radio - 12 Watts approx. Gramo - 30 Watts approx.

**ACCESS TO INTERIOR**

Open cabinet lid and remove four screws fastening control panel and motor mounting to cabinet. Lift this section out of cabinet base.

**CHASSIS SERIAL NUMBER**

Located on metal chassis and is visible when control panel section is removed from cabinet.

**CAUTION**

Disconnect receiver power lead plug from mains socket before making adjustments inside the cabinet.

**CLEANING OF CABINET**

Do not polish cabinet, 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 components.

To restore the lustre of the cabinet, etc. wipe with a soft cloth, dampened with water and lightly polish with a neutral wax.

**TRANSPORTING THE UNIT**

Before moving the player, always lock the pick-up arm on to the rest pillar provided.

Wind the mains lead around the retainers and insert plug into storage socket on motor board.

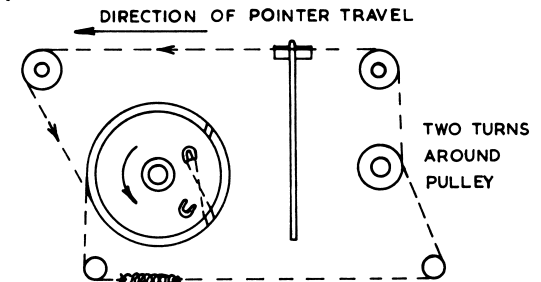
**PICK-UP STYLUS PRESSURE ADJUSTMENT**

The stylus pressure is to be between 6 and 8 grammes. A pressure gauge Part No. 4121-013-01 is available from the Spare Parts Division.

To check the pressure ensure the unit is level with no record on the turntable. Place pressure gauge on the turntable then lower pick-up arm so that stylus locates into the hollow provided on gauge. Adjust for balance and note reading.

Lift the pick-up arm to full extent. Located on the pick-up arm near the pivot point a coiled spring is attached between a lug on the Pivot shaft and a flat metal strip on the pick-up arm. This is fitted under tension.

To adjust the pressure, slide the spring from the strip and refit at correct tension. Increase spring tension to reduce stylus pressure. Decrease spring tension to increase stylus pressure.



GANG IN FULL CLOCKWISE POSITION  
CORD LENGTH 24" REQUIRED  
CORD PART No. 1107-002-03

**DIAL CORDING DIAGRAM**

