



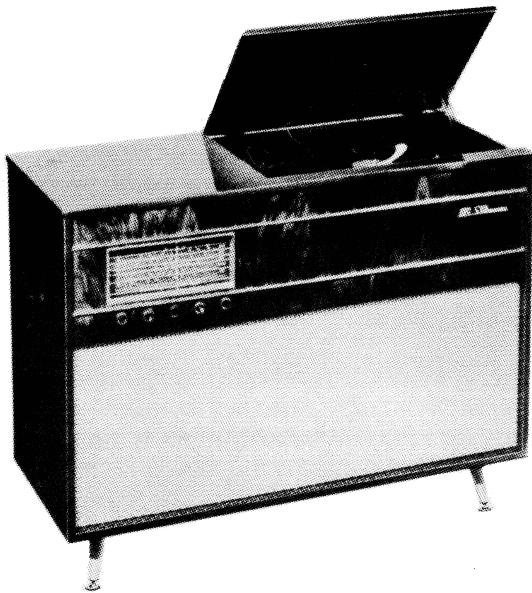
# RADIO SERVICE BULLETIN

*Issue No. 143*

*Date of Issue: Sept. 1959.*

*Subject: Model A6191EH.*

## SPECIFICATION OF S.T.C. MODEL 6191EH STEREOPHONIC CONSOLE RADIOPHONIC



**STEREOVOX**

### **DESCRIPTION:**

An A.C. operated six valve superheterodyne broadcast stereophonic console radiogram, incorporating:-

- Automatic Gain Control across two stages.
- High Gain and Selective Tuning Circuits.
- Twin isolated Amplifier Systems.
- Feedback across each Amplifier.
- Fixed bass boost and variable treble cut.

### **INTERMEDIATE FREQUENCY:**

455Kc/s.

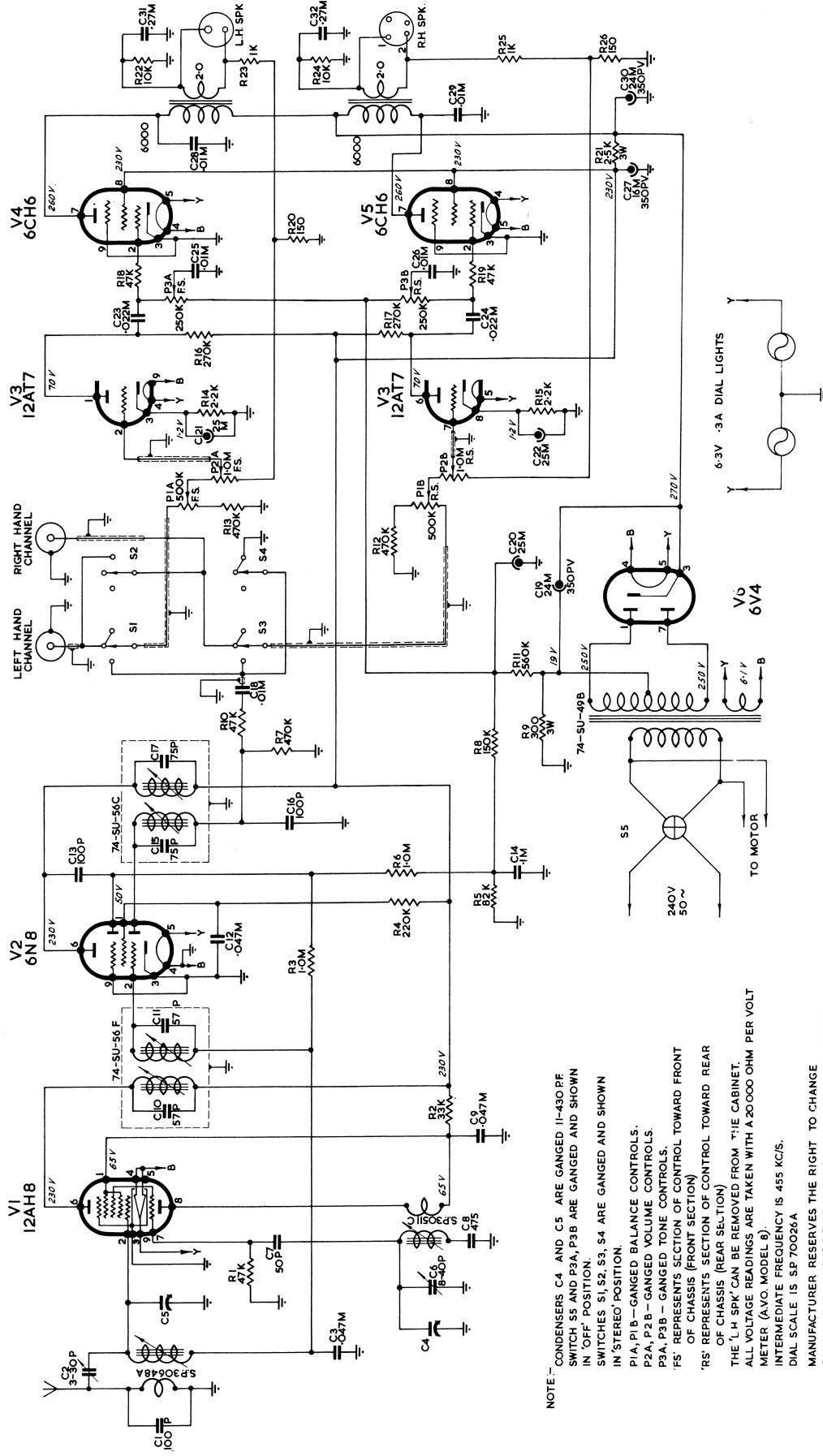
### **TUNING RANGE:**

530 – 1620Kc/s.



# MODEL 6191

CONSOLE STEROPHONIC RADIogram



## PARTS LIST

PART NO.	ITEM
Goldring 5 inch Pattern No. 3430	Dial Drum
MSP 18223	Grille Material
74-SU-49B	Tuning Condenser
74-SU-56F	Power Transformer
74-SU-56C	1st I.F. Transformer
SP40874A	2nd I.F. Transformer
SP30044AE	Knob Assy.
SP70026	Dial Pointer
SP40250G	Dial Scale
SP40203X	Tuning Spindle Assy.
SP40203Y	Dial Cord Assy.
SP30648A	Dial Cord Assy.
SP30511C	B/C Aerial Coil Assy.
SP54551B	B/C Oscillator Coil Assy.
SP54565E	Rola 8M Speaker
SP40894D	Speaker Transformer
SP40894E	Balance Control Potentiometer
SP40894F	Volume Control Potentiometer
SP40549C	Tone Control Potentiometer
SP70028EH	Control Switch
SP70036EJ	Cabinet (Walnut or Maple)
RC121/H4/MK11	Extension Speaker Cabinet (Walnut or Maple)
	Garrard 4 Speed Record Changer

**VENTILATION:**

Due to the fact that most thermionic devices such as radio valves, etc., develop heat, which must be conducted away, our cabinets are designed to provide appropriate ventilation.

However, with a widely varying ambient temperature, it is most important that the ventilation is not restricted by placing the receiver too close to a wall or near a window through which direct sunlight enters.

The effect of direct sunlight on a highly polished cabinet will cause the colour to fade.

**CARE OF CABINET:**

To maintain the high lustre of the polished cabinet, it is advisable to use "Watty" Burnisher.

Apply sparingly on a soft (cotton) cloth, but rub vigorously and then polish with a soft (cotton) clean cloth.

## VALVE COMPLEMENT:

V1 Frequency converter 12AH8.  
V2 I.F. Amplifier, detector and A.G.C. 6N8.  
V3 Audio Amplifier for each Channel 12AT7.  
V4 Output pentode for left hand channel 6CH6.  
V5 Output pentode for right hand channel 6CH6.  
V6 H.T. Rectifier 6V4.

## POWER SUPPLY:

230 - 250 volts, 50 cycles A.C.  
250 millamps with 240 volts on radio.  
320 millamps with 240 volts with record changer.

## LOUDSPEAKER:

Two 8 inch permanent magnet speakers with 2 ohm voice coil and a 6000 ohm transformer each, mounted on the chassis.  
(SP54551B 8" speaker and SP54565E speaker transformer.)

## CIRCUIT VOLTAGES:

Refer to circuit diagram.

These voltages may vary within 10% of their stated values.  
Measuring meter must be at least 20,000 ohms per volt.

## MEASUREMENT SPECIFICATION:

With the balance control turned to maximum on the channel being measured.

I.F. sensitivity - V1 Grid - 40 microvolts.  
I.F. sensitivity - V2 Grid - 2 millivolts.  
Broadcast sensitivity - 5 microvolts average.

The above input signals are required to produce 17 volts between the plate of V4 or V5 and the junction of C30 and R21 through a series capacity of .1mfd. No wiring should be used in series with the "HOT" signal generator lead and the grid of V1 or V2.

## ALIGNMENT FREQUENCY:

Broadcast - 600 Kc/s and 1400 Kc/s.

## CHECK POINT:

Broadcast - 1000 Kc/s.

## GANGED CONTROLS:

SP40894D ganged balance controls P1A/P1B.  
SP40894E ganged volume controls P2A/P2B.  
SP40894F ganged tone controls c/w switch P3A/P3B.  
SP40549C ganged switch controls S1/S2/S3/S4.

## RECORD CHANGER:

Garrard Model RC121/MK11.  
4 speed, mixer changer.  
Incorporating both manual and automatic controls.

## CARTRIDGE:

Acos 73/1A SS.

## STYLI:

Acos SS73.