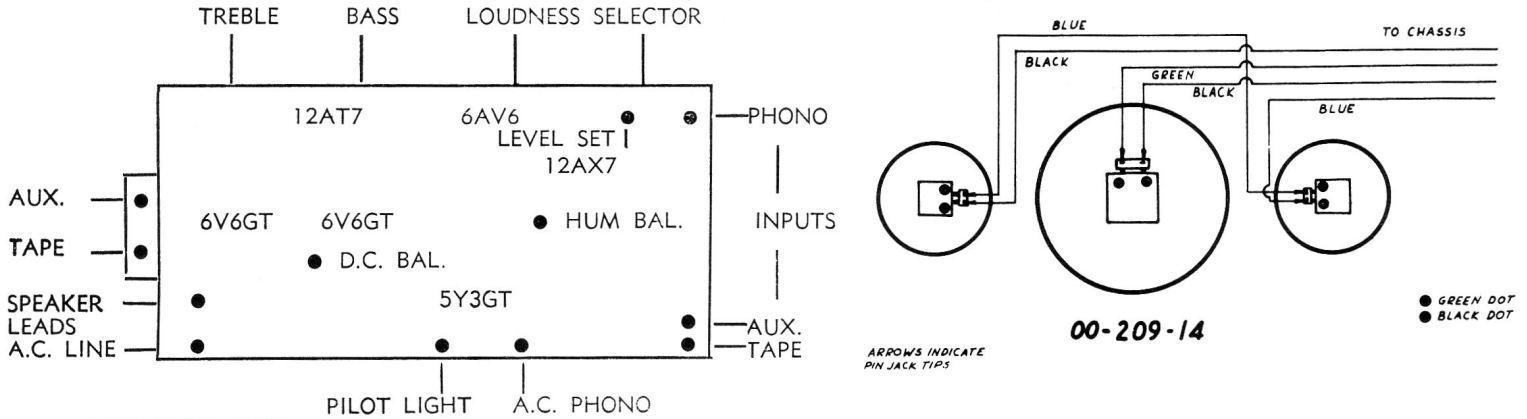


Electric Phonograph with a Garrard RC-88 Changer and a 6 Tube A.C. Operated Amplifier.

For Operation on 105-125 Volts A.C. Cycle as marked.

NOTE—When writing for service information or parts, please quote model, serial number, cycle, finish of cabinet and if for changer, model of changer as marked on plate.



SPECIFICATIONS:

With tone controls in flat position, loudness control fully clockwise, all measurements (nominal) taken at Aux. input.

Frequency Response — 1 W level + 1 db., 30 cps. to 15,000 cps.

Harmonic Distortion — Less than 1% at normal operating levels.

Intermodulation Distortion — Less than 1% at normal operating levels (60 and 3000 cps. 4:1)

Hum and Noise — -80 db. below rated output.

Maximum Power Output at 400 C.P.S. — 15 watts.

Undistorted Power Output at 400 C.P.S. — 10 watts.

Power Consumption — 74 watts.

Hum Balancer — It may be found necessary to adjust the Hum Balancer for minimum hum reproduction when a 12AX7 tube is replaced. Set the Bass and Treble Tone Controls in their extreme right hand positions, the Selector Switch in Phono position, turn Loudness Control full on and adjust the Hum Balancer for minimum hum level.

D.C. Balance Control — See schematic for adjustment details.

Level Set Control — This control is preset at the factory and should not require any further adjustment. It may be necessary, however, to re-adjust this control, when tubes are replaced or to compensate for the acoustics of a room, to prevent acoustical feedback. This adjustment should only be made by a Service Technician.

- Procedure:**
1. Stop changer — place pickup on edge of record.
 2. Set Tone controls and Loudness control fully clockwise.
 3. Set Selector switch to Flat position.
 4. Turn Level Set Control anticlockwise to point where acoustical feedback starts to occur.

NOTE: If more gain is preferred this control may be turned fully clockwise to obtain the maximum output available. Other controls should be adjusted to prevent overdriving the amplifier and speaker system relative to acoustical feed-back.

SERVICE REPLACEMENT PARTS LIST

Part Number	Old Part Number	Symbol	Description	Final Part Number	Old Part Number	Description
24-10005-01	LK-558-1	T2	Power Transformer 60 Cycle	03-160003-02		Garrard RC-121D Changer 60 Cycle complete
24-20007-01	LK-537-1	T1	Power Transformer 25 Cycle	03-160004-02		Garrard RC-121D Changer 25 Cycle complete
24-80002-02		T2	Output Transformer			
26-4-01	Q-330-1	SW1	Selector Switch	16-250001-01	K-1529-1	G.E. Cartridge
41-6-01	R-391-1	R37, R43	Potentiometer 100 ohm	19-120002-01	K-1658	12" P.M. Woofer Speaker
41-3-04	R-375-4	R25	Bass Tone Control	19-50001-01	K-1644	5" P.M. Tweeter Speaker (2)
41-4-03	R-376-8	R24, SW2	Off-On-Treble Tone	27-4-01	K-1133	Pilot Lamp 145 V.
41-33-01	R-417-1	R20	Loudness Control	30-12-01		Control Panel
41-41-01		R14	Input Level Control	53-21-01		Knob (Selector Switch, Bass Tone, Off-On Treble Tone, Loudness)
42-2-03	H-537-3	R4, R11	Resistor Low Noise 100K ohm ± 10% 1/2 W			
44-2-01	G-503	C21	Electrolytic 40 & 20 ufd. x 450V 25 ufd. x 50V.			
44-4-01	G-591	C20	Electrolytic 15 & 15 ufd. x 450V.			
44-5-01	G-604-1	C34	Electrolytic Non Polarized 5 ufd. 50V.			
44-20-01	G-643	C5	Electrolytic 40 & 20 ufd. x 350V.			
44-25-01	G-528-1	C19	Electrolytic 25 ufd. x 25V.			

Replacement Needles

- LP RPJ-01S (Sapphire)
- *RPJ-01D (Diamond)
- 78 RPJ-03S (Sapphire)

*This is not supplied as original equipment, it may be procured at extra cost as a replacement for RPJ-01S needle if a diamond stylus is preferred.

