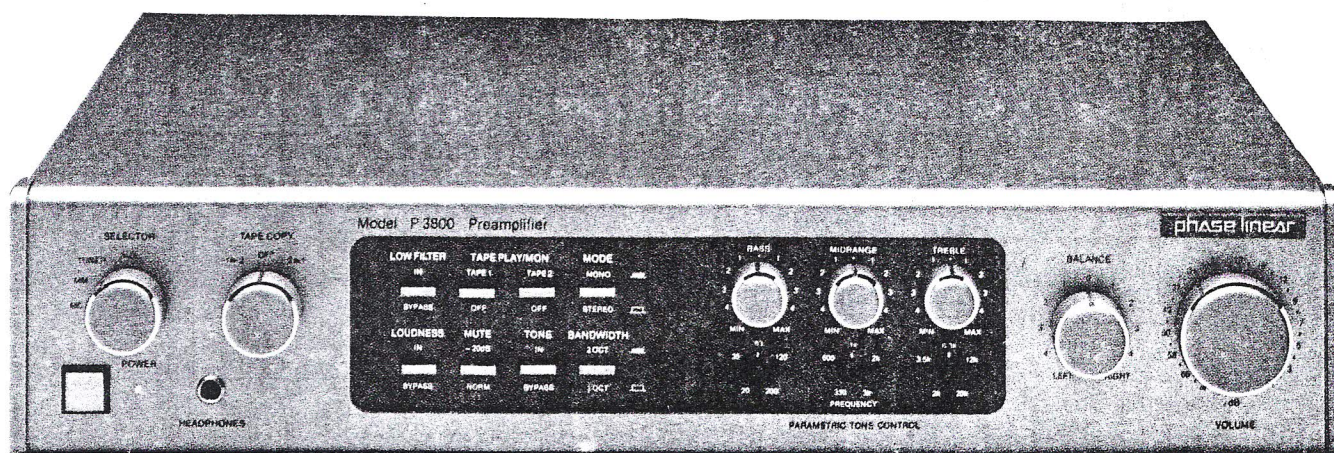


# SERVICE MANUAL

## MODEL P3800



**phase linear**™

Division of International Jensen Incorporated / an **ESMARK** Company

## SPECIFICATIONS:

Rated Output Voltage: 2.0 volts RMS (0.5 volts EIA)  
THD @ Rated Output: Less than 0.003% (20Hz-20KHz)  
Frequency Response: Phono MM & MC RIAA Deviation  $\pm 0.1$  dB  
High Level: 10Hz-100KHz +0, -3dB  
Signal TO Noise Ratio: Phono MM: 97dB below 2.0volts  
(A-weighted) Phono MC: 94dB below 2.0volts  
High Level: 100dB below 2.0volts  
IM Distortion: Less than 0.002% (SMPTE 60Hz,7KHz @ 4:1)  
Input Impedance: Phono MM: 47Kohm shunted by switch  
selectable 50pF, 120pF, or 320pF  
Phono MC: 100 ohm  
High Level: 20Kohm  
Input Sensitivity For Rated Output: Phono MM: 2.5mV  
Phono MC: 100uV  
High Level 150 mV  
Max. Output At Clipping: Better than 10volts into 10Kohm  
Phono Overload Level (1KHz): MM: 200mV MC: 9mV  
Volume Control Tracking:  $\pm 0.25$ dB  
Slew Rate: 10 volts/microsecond  
Channel Separation: 70dB @ 1KHz 40dB @ 20KHz  
Tone Controls: Type; Parametric bandpass and shelving  
Amplitude adjustment range;  
bass and treble  $\pm 12$ dB  
midrange  $\pm 6$ dB  
Freq. adjustment range;  
bass 20Hz-200Hz  
midrange 330Hz-3KHz  
treble 2KHz-20KHz  
Midrange bandwidth; 1 or 2 octaves  
Headphone Amplifier: Rated output power; 100mW into 8ohms  
with less than 0.05% THD from 20Hz-20KHz  
both channels driven  
S/N; greater than 90dB at 100mW output  
Low Filter: -18dB per octave slope at 15Hz corner freq.  
Power Requirements: 120 VAC @ 60Hz  
220/240 VAC @ 50/60Hz  
power consumption; 12 Watts



