REFERENCE CHART FOR CONTROL SETTINGS

USE THIS CHART AS A QUICK GUIDE TO OPERATING YOUR 348 SOLID STATE TUNER/AMPLIFIER.

<table>
<thead>
<tr>
<th>FM MONO OR STEREO</th>
<th>RUMBLE</th>
<th>SCRAATCH</th>
<th>TAPE MONITOR</th>
<th>INPUT</th>
<th>SELECTOR</th>
<th>BASS</th>
<th>TREBLE</th>
<th>BALANCE</th>
<th>LOUDNESS</th>
<th>DYNAURAL MUTING</th>
<th>COMP</th>
<th>SPEAKERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>FM OR SUB. CH. FIL.</td>
<td>OUT</td>
<td>STEREO</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>OPTIONAL</td>
<td>OPTIONAL</td>
<td>LOUD</td>
<td>MAIN ON</td>
</tr>
<tr>
<td>PHONO</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>PHONO</td>
<td>STEREO*</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>OPTIONAL</td>
<td>NA**</td>
<td>LOUD</td>
<td>MAIN ON</td>
</tr>
<tr>
<td>TAPE DECK WITHOUT PLAYBACK ELECTRONICS</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>TAPE HEAD</td>
<td>STEREO*</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>OPTIONAL</td>
<td>NA**</td>
<td>LOUD</td>
<td>MAIN ON</td>
</tr>
<tr>
<td>TAPE RECORDER W/PLAYBACK ELECTRONICS</td>
<td>OUT</td>
<td>OUT</td>
<td>IN</td>
<td>NA**</td>
<td>STEREO*</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>OPTIONAL</td>
<td>NA**</td>
<td>LOUD</td>
<td>MAIN ON</td>
</tr>
<tr>
<td>OTHER</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>EXTRA</td>
<td>STEREO*</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>OPTIONAL</td>
<td>NA**</td>
<td>LOUD</td>
<td>MAIN ON</td>
</tr>
</tbody>
</table>

*If a monaural source is used, set SELECTOR switch to "L Input".
**Not applicable.

Note: Positions of the Rumble, Scratch, Bass, Treble, Balance, Dynaural/Muting, Comp and Speaker switches or controls are optional. These controls should be set for your particular installation or preference.
SERVICE BULLETIN FOR
MODEL 348
SOLID STATE STEREO TUNER/AMPLIFIER

SPECIFICATIONS

TUNER (FM-MPX)

Useable Sensitivity (IHF) 1.9 microvolts
Cross Modulation Rejection 85 db
Signal to Noise Ratio 60 db below 100% modulation
Total Harmonic Distortion 0.8%
Frequency Deviation (Drift) 0.02%
*Frequency Response (Stereo) 50 to 15,000 cps ± 1 db
Capture Ratio 4.0 db
Selectivity 45 db
AM Suppression 55 db
Tuning Range 88 to 109 mc
Accuracy of Calibration 0.5%
Separation 35 db or better

*This is limit of FCC Stereo Broadcast specifications. All H. H. Scott tuners have far wider frequency response.

TAPE OUTPUT

Rated Voltage Output to Tape Recorder 0.5v
Minimum Recommended Load Resistance 47K ohms

PRE-AMPLIFIER

Input:
Tape Head - Input Impedance 47K ohms
Signal for Rated Output 3 mv
S/N Ratio 52 db
Phono - Input Impedance (All Switch Positions) 47K ohms
Signal for Rated Output (Adjustable by Switch) 3, 5, 9 mv
S/N Ratio 55 db
High Level Inputs - Input Impedance 50K ohms
Signal for Rated Output .5v
S/N Ratio 75 db
Frequency Response in Flat Position 20-20KC ± 2.0 db
Treble Controls Measured at 10,000 cps, Boost & Cut 10 db ± 2 db
Bass Controls Measured at 30 cps, Boost & Cut 12 db ± 2 db
Scratch Filter -6 db @ 10KC
Loudness Compensation (Maximum) +9 db @ 50 cps
Loudness Compensation +2 db @ 10K cps

AMPLIFIERS

Power Ratio (Watts Per Ch.) @ 8% HD
@ 4 ohms 60/60
@ 8 ohms 50/50
Continuous Output (Watts) Single Channel @ 8 ohms, 0.8% HD 35
Continuous Output (Watts) Both Channels @ 8 ohms, 0.8% HD 30/30
Frequency Response 15-30,000 cycles ± 2 db
Power bandwidth at Rated Distortion (IHF Method) 20-20,000 cps
Hum and Noise 75 db below rated power
Range of Line Voltage and Frequency 105-120v, 50-60 cps
Power Consumption - 117v at 60 cps (AC Only) 35-135w

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Q501, Q504, Q505, Q507 - 2N3702
Q502, Q506 - 2N2926
Q503 - 3E1001

MULTIPLEX
N-PC109-4L

Q1-2N2926 YEL or GRN
Q2-2N2926 YEL ONLY
Q3-2N2926 GRN ONLY
Q4-QA-9
Q5-QA-10 RED, BLUE or GRN
Q6-QA-10 GRN or YEL

TONE CONTROL & DRIVER
N-PC110-2L

Q1-2N2926 YEL DOT
Q2-2N2926 GRN or YEL DOT

P C - N 5 - 1

Q1-2N2926 OR, YEL or GRN DOT
Q2-2N2926 BRN, RED or OR DOT
Q3-2N2613 OR 2N508A

NOISE AMP- SQUELCH
N-PC115-1L

PREAMP
N-PC111-2L