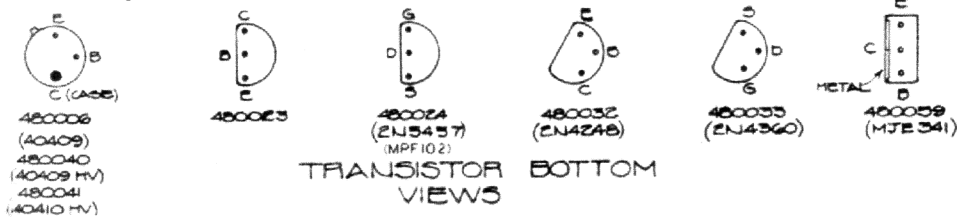


for Acoustic amps: RCA transistors



Information on this page is provided "as is" and no guarantee is implied including "suitability of purpose". Use this information at your own risk. Certain facts or details may have been omitted in order to provide abbreviated information.

2n2448 can be replaced with 2n4401

2n4246 can be replaced with 2n5401

Always replace bias servo transistor if output(s) were shorted.

EQ PCB # 170076 to 170084: there may be intermittent low f oscillation (motor boating)

after unit is turned off. Change R8, R9 from 100k to 22k.

Acoustic 220 notes: The model has the preamp stage of the 370 and the output stage of the 320.

Original 300 series amps develop intermittent crackling or odd distortions.

- replace all tantalum decoupling caps on all PCBs.

Output transistors are RCA 2n3055 do not substitute high speed transistors - can use 2n3773

Some units do not have CR310 mr2361 dual diode, but have two 1n914 diodes in series. Dual diode sub is 1n3886

REMEMBER the amp output is capacitor coupled and will have a DC offset unless it is slightly loaded to discharge the cap.

Adjust R 304 for even clipping on waveform in 8 ohms. Adjustment will float and takes time to stabilize.

40408 sub is 2n3053

2n4360 pfet sub is 2n5462

100-ohm resistors to driver transistors tend to open or change value with shorted outputs.

370 notes: Q304 is 2n2222

If amp 'motorboats' at the Q section check R 131- may be out of tolerance.

Transistor cross-references:

480037=2N3773

480056=2N6474

480057=2N6476

480059=MJE341

480060=originally 2N3055 select / upgrade with 2N3773 (match preferred)

480071=2N5416

480072=2N3440

480073=2N6211

480074=2N3584

480075=2SD555 or MJ15024 (used on B series amps not older versions)

480076=MPSA56