



California Dreamer Plus™ v. 2.6
 Variation on the California Dreamer by Gino
 Iorfida for Ax84.com
<http://www.drifteramps.com>
 Modifications by Dave Zeryck
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Caps: 400 v min. Resistors: 1/2 w 10%
 Voltages shown are with 272DX and 5Y3 @ 117 VAC
 5U4G yielded: Plate 404V, Screens 400V

Note A: Fixed Bias: 22 – 27 mV across the 1-ohm resistor
 Grid Volts Sugg. mVoltage @ cathode
 400 23.8 mV
 380 25.0 mV
 360 26.5 mV
 Cathode Bias with 272DX is not practical; wattage will exceed
 max dissipation for 6V6. 300-ohm resistor is max recommended.

Note B: Bias voltage ranges (unloaded) with these resistors,
 272DX and 5U4G/5Y3:
 15k 14 – 40 volts
 22k 28 – 53 volts
 47k 55 – 75 volts

Notes on rectifiers:
 With a 272DX PT and the 1608, the
 amp has plenty of presence. A stiff
 rectifier (5U4G) can be a bit harsh. With
 a 5Y3, responsiveness is excellent and
 overdrive is round & musical.
 In neither case was there much
 headroom – this design has a lot of
 gain. Past 3 on the volume is crunch
 territory, and maxed out this roars.
 The clean sweet spot is narrow. A
 12AT7 in V1 would be recommended
 for cleaner players.

Terminal of 40-20-20-20
 500V multisection (JJ Electronics)

SW 2 Standby.
 Bleeds caps to
 ground when off

DC reference for
 heaters reduces noise