

## Rowe 609357-03 CD-100 Power Supply Board Upgrade

This document explains the upgrade procedure for the power supply circuit board in the Rowe CD-100 jukebox series. If your power supply board has “609357-03” on it then it should be upgraded. These procedures will upgrade it into a “609357-05” board.

### PROCEDURE

Change zener diode CR511 to a 1N4739A or NTE139A (9.2 volt). The original was 8.2 volts. The boost in voltage to the cd player improves playability of the disks.

Change resistor R509 to 1 k ohm ½ watt. It was 100 ohms.

Change resistor R511 to 470 ohm ½ watt. It may have been either a 47 ohm or 1.5 k ohm.

Change capacitor C504 to 6800 uf @ 50 volt snap mount. It was rated at 35 volt.

Change capacitor C505 to 4700 uf @ 63 volt snap mount. It was rated at 50 volt.

Replace jumper wire W503 with new resistor R515 which is 33 ohm ¼ watt.

Remove resistor R511 and install it in a new position: Base to Emitter of transistor Q503.

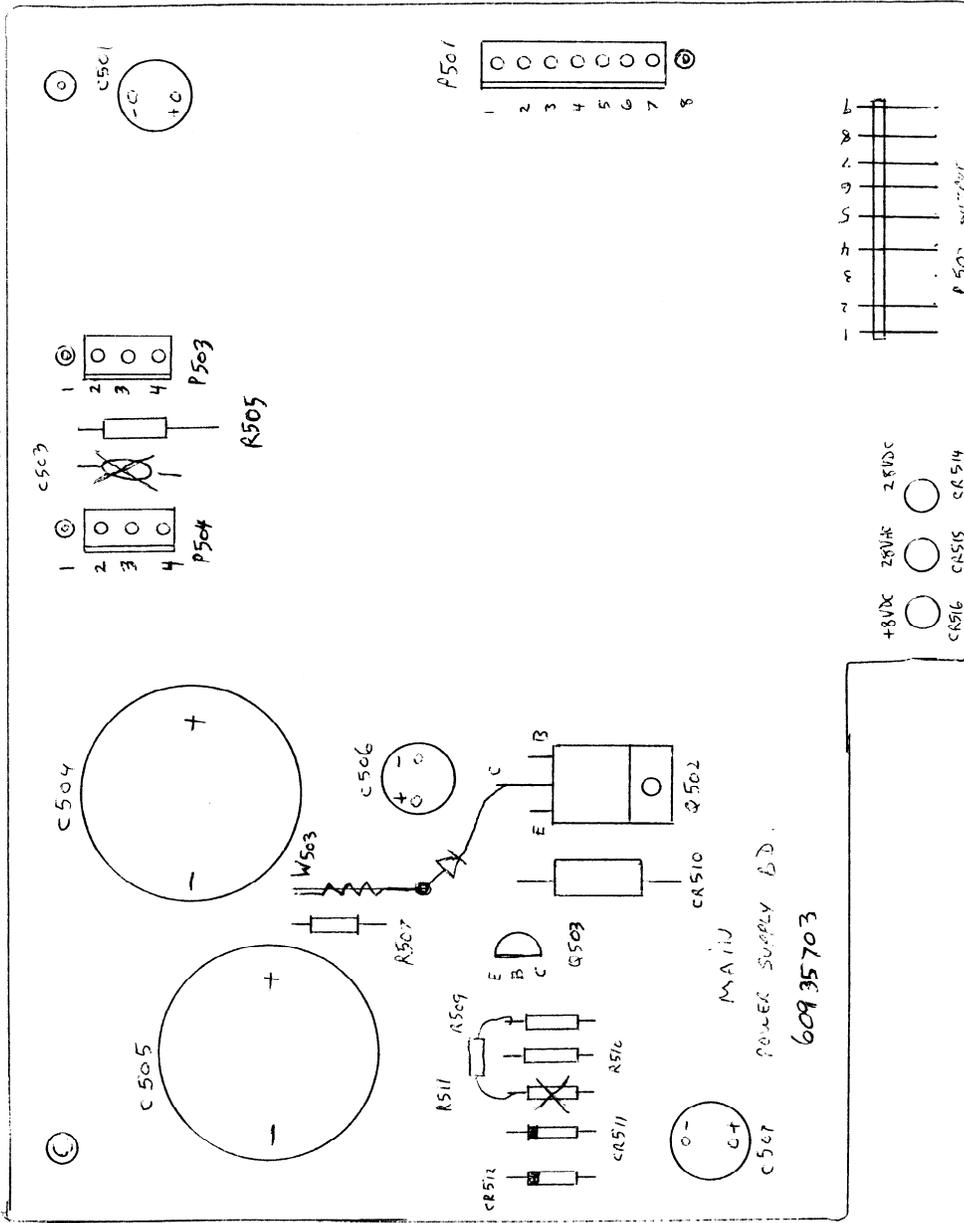
Remove capacitor C503 and install it in a new position: between the “-” (minus) terminal of capacitor C504 and the nearest end of resistor R515 (old W503 position).

Cut trace between Collector of transistor Q503 and Collector of transistor Q502. Install diode CR517 (1N4004) across the cut trace. Cathode of it goes to Collector of transistor Q502 and the anode goes to the end of new resistor R515 (old W503) closest to Q502.

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Row 60935703 TO 60935705 POWER SUPPLY UPGRADE FOR CD-100 TUNERS

REMOVE  
C503  
FROM THIS  
SIDE



MAIN  
POWER SUPPLY B.D.  
60935703

FOIL SIDE

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60935602

