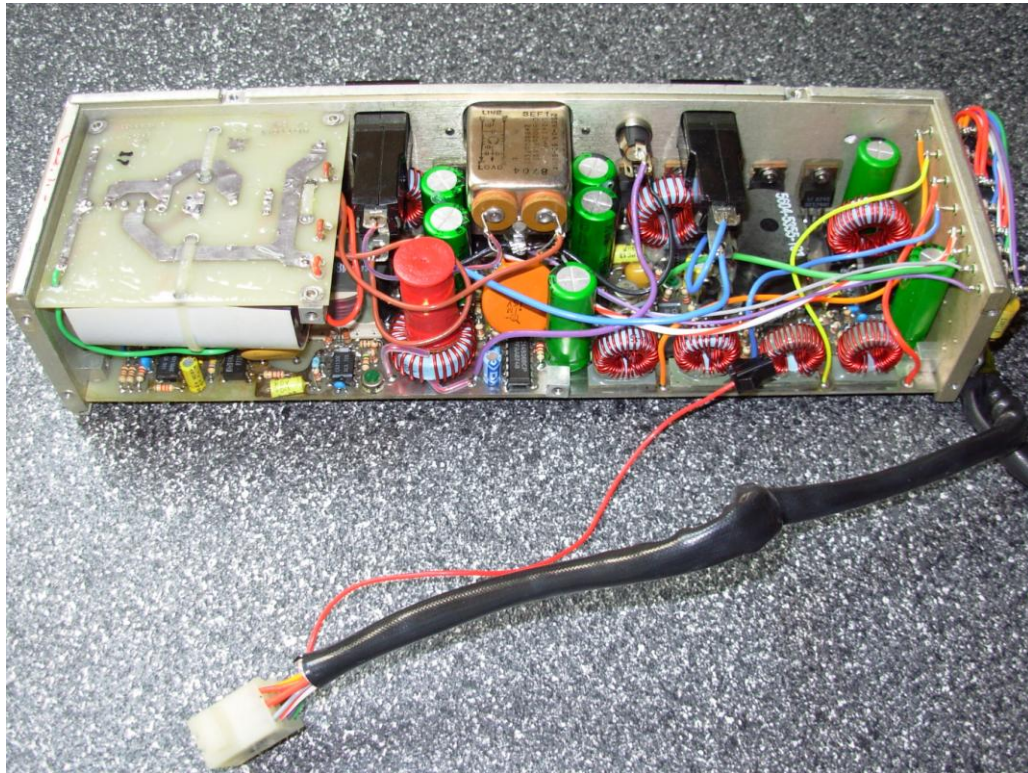


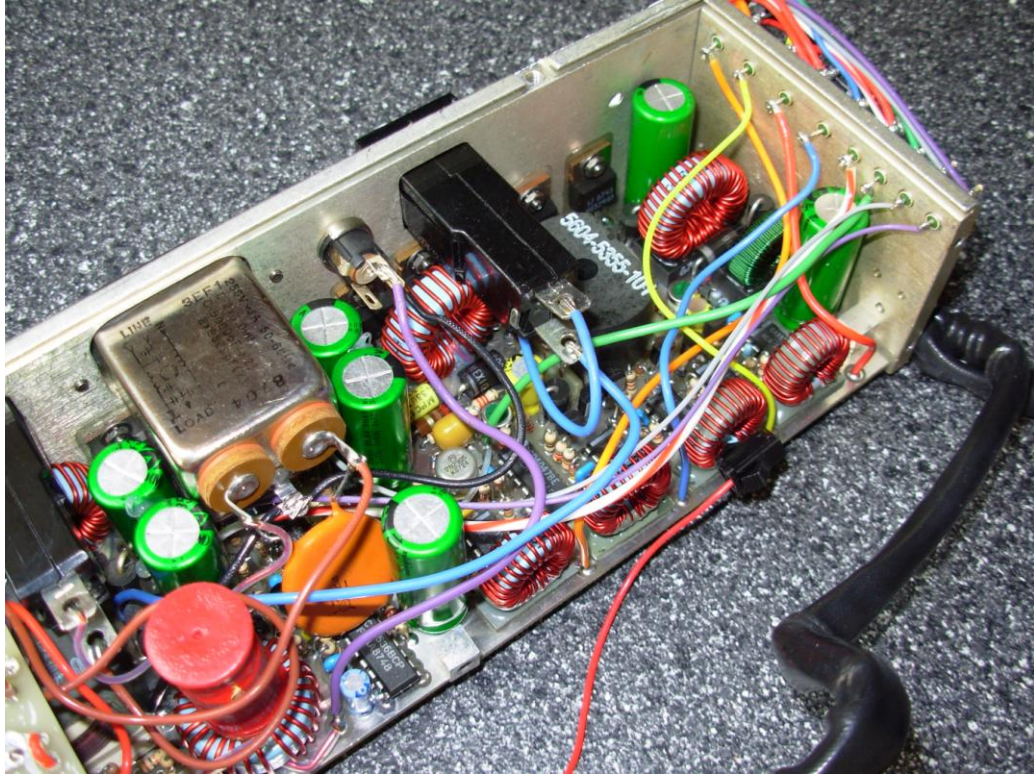
IFR A-7550 Power Supply Electrolytic Capacitor Renewal

By: Alex, KD6VPH

Preface: This guide was put together to aid in renewal of the electrolytic capacitors in your IFR A-7550 Power Supply. You should renew ALL electrolytic capacitors inside your IFR A-7550 power supply; they are, or soon will be, leaking. During the renewal process it is very important to clean and remove any boric acid that may have leaked out- use a Q-tip and 90% Isopropyl Alcohol. Electrolytic capacitor replacement is easily accomplished using a de-soldering station such as a Hakko 472D, JBC 1D, Weller WR3000, etc. but not absolutely necessary.

IFR A-7550 Power Supply Electrolytic Capacitor Renewal





IFR A-7550 Power Supply Capacitor List

All capacitors in the power supply were upgraded to 105 deg C rating when available.

C10, C14, C15, C18, C28, and C29- 330uF, 35V, 20%, Radial Lead, 105 deg

Replacement Manufacturer: Nichicon

Replacement Part Number: UPM1V331MPD1TD

Quantity on Board: 6

C23- 1000uF, 10V, 20%, Radial Lead, 105 deg

Replacement Manufacturer: Nichicon

Replacement Part Number: UPM1A102MPD1TD

Quantity on Board: 1

C7, C8- 1uF, 50V, (Used 1uF, 160V), 20%, Radial Lead, 105 deg

Replacement Manufacturer: Nichicon

Replacement Part Number: UPW2C010MED

Quantity on Board: 2

C16- 10uF, 50V, 20%, Radial Lead, 105 deg

Replacement Manufacturer: Nichicon

Replacement Part Number: UPM1H100MDD1TD

Quantity on Board: 1

C34- 47uF, 10V, 20%, Radial Lead, 105 deg
Replacement Manufacturer: Nichicon
Replacement Part Number: UPW1A470MDD
Quantity on Board: 1

C- 10uF, 35V (USED 10UF 50V), 20%, Radial Lead, 105 deg
Replacement Manufacturer: Nichicon
Replacement Part Number: UPM1H100MDD1TD
Quantity on Board: 1

Some Power Supplies may have C25 as an Axial Lead Electrolytic

C25- 10uF, 250V, 20%, Axial Lead, 85deg
Replacement Manufacturer: Nichicon
Replacement Part Number: TVX2E100MCD
Quantity on Board: 1

Line Rectifier PC Board Assembly (PC Board Mounted Inside Power Supply; Renewal Optional)

C1, C2- 4700uF, 25V, 20%, Axial Lead, 85 deg
Replacement Manufacturer: Nichicon
Replacement Part Number: TVX1E472MCD
Quantity on Board: 2



External power supply axial lead electrolytic capacitors from top to bottom (Renewal Optional)

C9- 1000uF, 6.3V, 20%, Axial Lead, 85deg

Replacement Manufacturer: Nichicon

Replacement Part Number: TVX0J102MCD

Quantity on Board: 1

C7- 330uF, 16V, 20%, Axial Lead, 85deg

Replacement Manufacturer: Nichicon

Replacement Part Number: TVX1C331MAD

Quantity on Board: 1

C6- 1000uF, 16V, 20%, Axial Lead, 85deg

Replacement Manufacturer: Nichicon

Replacement Part Number: TVX1C102MCD1LT

Quantity on Board: 1

C4, C2- 220uF, 25V, 20%, Axial Lead, 85deg

Replacement Manufacturer: Nichicon

Replacement Part Number: TVX1E221MAD

Quantity on Board: 2

C8- 1uF, 50V, 20%, Axial Lead, 85deg

Replacement Manufacturer: Nichicon

Replacement Part Number: TVX1H010MAD

Quantity on Board: 1

