

MODIFICATION / SERVICE NOTE

DIST # 4

DATE November 8, 1984

Serial Numbers Affected: 1000 - 5400

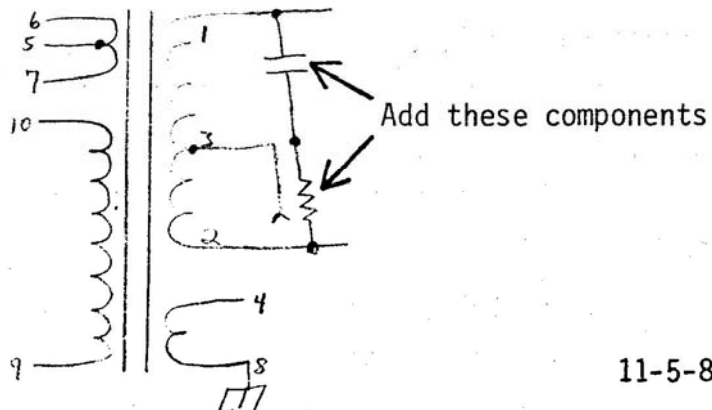
Reason or Symptom: DC - DC Converter for display generates noise on Tx, Rx particularly in the 80 meter band.

Parts Changes:

Unit	Ref #	Original	Replacement
Display	C26	0.001mFd	0.01/50V Mylar
"	C27	0.001mFd	22 ohm 1/4 watt

Procedure: Remove the display unit and locate C26 and C27 on the bottom side of the PC board. Replace components as listed above. NOTE: Earlier models may not have C26 and C27 installed, however, the new cap and resistor should be installed.

T1 on Display unit



Note from Frank A. Ellis W3UHF

The attached document is a Service Note for the IC-751 DC-DC converter, it's a modification to prevent noise "especially on 80 meters". While the IC-2KL DC-DC converter is not exactly the same, the general type of corrective measures should apply to it as well, as long as the mechanism of RFI is the same between the two DC-DC converter designs.

This fix is basically a terminated lowpass network that will absorb the higher-frequency components of the switching noise via the resistor. That would imply that the RFI mechanism is simply harmonic in nature, due to the switching waveform of the DC-DC converter.

Frank A. Ellis W3UHF January 4, 2003