

# Technical Bulletin



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TO ALL MAINTENANCE ENGINEERS - CHANGES

NO. MODELS

SUBJECT: IMPROVED GENERATOR FILTERING

16 B-3, C-3, RT-3  
A-100 Series  
D-100 Series

Instruments starting with serial numbers listed below, have incorporated within the generator, a revised filtering system on frequencies 37 through 48.

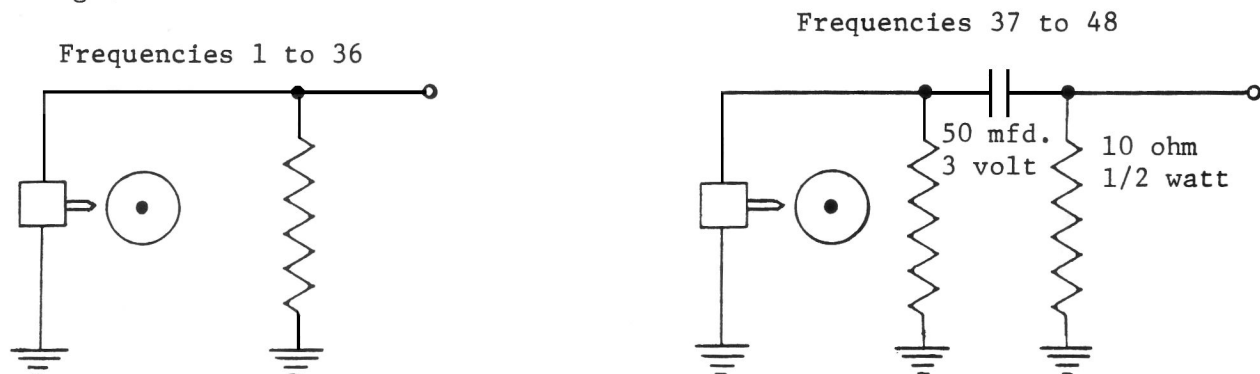
Use of an R C network in place of a resistive and untuned filter on these frequencies reduces the background cross-talk.

This network consists of 50 Mfd. 3 Volt Capacitor and 10 Ohm 1/2 Watt Resistor in the output circuit of the generator.

The starting serial numbers are as follows:

A-100 - 40029	A-105 - 26416	B-3 - 93990	D-152 - 1946
A-100 - 24821	A-122 - 27947	C-3 - 93555	D-155 - 1651
A-102 - 41525	A-143 - 40993	RT-3 - 8885	

Service Manual schematics on these instruments should be revised to show this change.



## FIELD CHANGES ON EARLIER INSTRUMENTS

This improvement can be added to earlier instruments by ordering 12 AO-25637-0 Filter Networks from the Service Department.

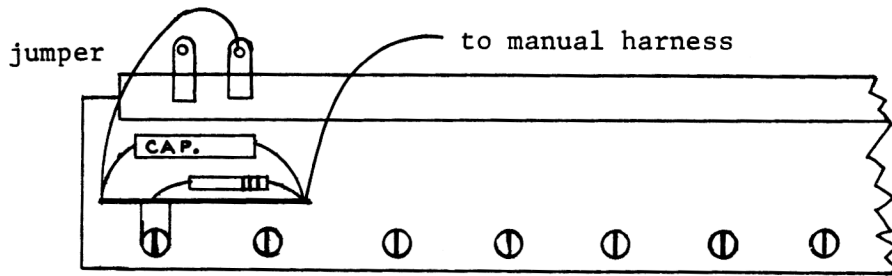
In production, these networks are mounted on top of the generator. But, for field application, we suggest they be mounted directly below the terminal strip, using terminal strip mounting bolts 1-4-5-7-8-10-13-14-17-18-21 & 22 counting from the "Run Motor" end of the generator.

NOTES: It is not necessary to remove existing filter transformers.

It will be necessary to extend applicable lead wires approximately two inches.

#### IMPROVED GENERATOR FILTERING

EXAMPLE: Physical application of filtering to frequency 42.



CAUTION: Remove only one bolt at a time. Replace and tighten each bolt before removing next one.