INSTALLATION OF RADIO FREQUENCY INDUCTION

SUPPRESSION FILTERS ON TELETYPEWRITERS AND ASSOCIATED EQUIPMENT

1. GENERAL

1.001   This addendum supplements Section P31.301, Issue 3.

1.002   This addendum is issued to add Part 4, SUPPRESSION OF RADIO FREQUENCY INDUCTION AT TELEVISION FREQUENCIES.

4. SUPPRESSION OF RADIO FREQUENCY INDUCTION AT TELEVISION FREQUENCIES

4.01   Signal generators of 28 apparatus are factory-equipped with radio frequency induction suppression filters which are effective at both radio and television frequencies.

4.02   Radio frequency noise radiated from the selector coils may be reduced by inserting a 0.01 mf ceramic disc (or equivalent) capacitor between the "plus" terminal of each selector coil and frame ground.

4.03   A means of reducing radio frequency noise radiated from the 255A line relay is described in 3.05.

4.04   All components of a set should have good metal-to-metal contact. This can be improved by removing any paint or anodizing coatings which may prevent good grounding. Metal ground straps interconnecting the various frames may also be used.

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4.05   Any current breaking contacts should be filtered.

4.06   To suppress conducted interference, adequate line filters such as TP151988 (ac power filter) and TP154651 (dc signal line filter) may be used on 28 apparatus. The TP154651 filter with 0.1 mf capacitor is not so good for radio frequencies but is good at signaling frequencies. With 0.5 mf capacitor it is not so good at signaling frequencies but good at radio frequencies.

4.07   Since it is very difficult to cover all possible sources of interference, it is suggested that unusual cases should be referred along the usual channels of engineering organization.