

# RTTY OPERATION OF KWM-2/2A AND S-LINE EQUIPMENT

**1.1 GENERAL.**

The following discussion outlines the means by which RTTY transmission and reception can be accomplished with KWM-2/2A and S-Line equipment. For information concerning basic RTTY definitions, theory, and practice, reference to current amateur handbooks and publications is recommended. Considerable latitude of choice exists in regard to the selection of teletypewriters, terminal equipment, and control circuitry. These choices are left to individual discretion. The following information is confined to receiver-exciter input and output requirements, suggested means for satisfying these requirements, and recommended modifications.

**1.2 METHODS OF GENERATING AN RTTY SIGNAL.**

**1.2.1 METHOD ONE: VFO KEYING.**

This method involves diode frequency shifting in the vfo. Figure 1 illustrates the additions and changes required in the 32S-1/2. Add the 100K resistor and 50K potentiometer and wire as indicated. When the modification is completed, turn on the exciter and tune up on a desired mark frequency. The exciter mark frequency can be monitored in an S-Line receiver by setting the receiver function switch to OPR which disables the muting circuit. It will be approximately 1350 cps above the suppressed-carrier frequency. Using LOCK KEY emission, advance the

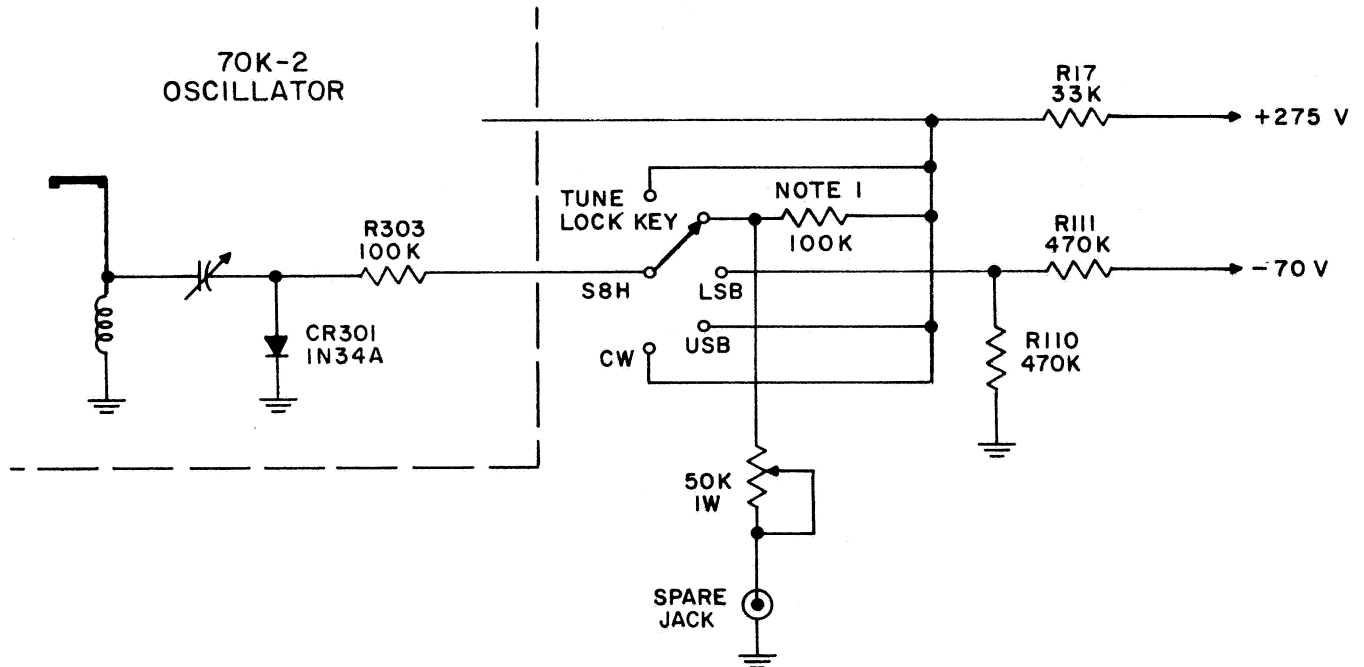


FIGURE 1

C580-19-2



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