

Adapting the Heathkit DX-40U for S.S.B.

Daystrom Ltd., Gloucester, have passed on some circuit modifications to enable owners of the Heathkit DX-40U a.m./c.w. transmitter to use it in conjunction with the SB-10U single sideband adapter. Although the information

single throw toggle switch for switching from a.m. to s.s.b. is fitted to the front panel.

The power supply parts are standard, and should be easily obtainable from radio component stockists. Silicon rectifiers could be used in place of the 5V4 with advantage, but steps must be taken to reduce the increased output voltage owing to the superior efficiency of solid-state diodes.

There should be no difficulty in running full power on 80, 40, 20 and 15m, but the output on 10m will be somewhat reduced.

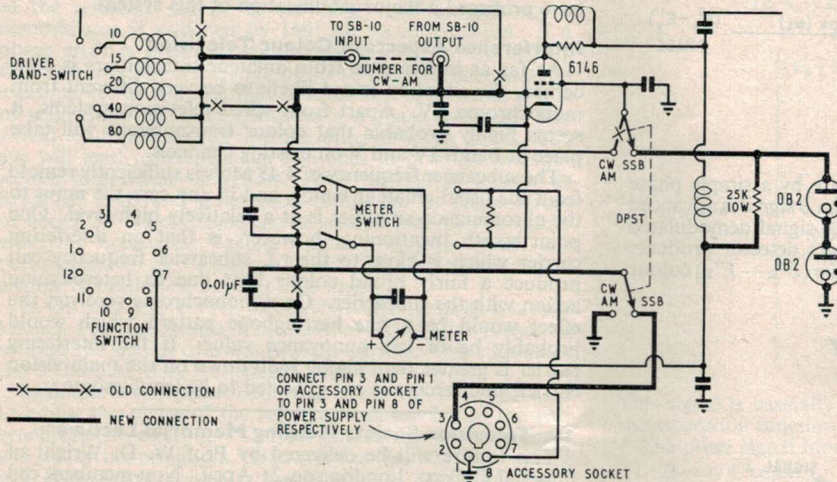


Fig. 1. Alterations to the wiring necessary for switching between class C and class AB1. Heavy lines represent new wiring, and an "X" indicates a connection to be broken.

has been supplied by the manufacturers of this equipment, no kits of components are available, but these may be purchased from the usual retailers.

The changes basically consist of the addition of an out-board power supply for the sideband adapter, and slight re-arrangement of the circuitry of the transmitter p.a. to incorporate switching for operation in class AB with fixed bias. Fig. 1 provides details of the alterations of the transmitter circuitry, additional wiring being drawn in bold, and deleted wires marked "X." The two 0B2 stabilizers may be mounted either on the side of the shield bracket located on the underside of the chassis, or alternatively on a sub-assembly chassis that can be attached to the side of the shield bracket. The valves will be in a horizontal position and facing the left side of the chassis when viewed from the rear of the transmitter. The two co-axial sockets should be installed on the chassis rear drop, while the double pole,

Wired Television

Members who are experiencing, or have experienced, interference difficulties associated with wired television systems are asked to write to the GPO Liaison and TVI Committee giving full details including the name of the relay company concerned and the distribution frequency. The Committee is interested in information both on systems which are susceptible to interference and on systems which cause interference by radiation in authorized amateur bands.

From "Semaphore to Satellite"

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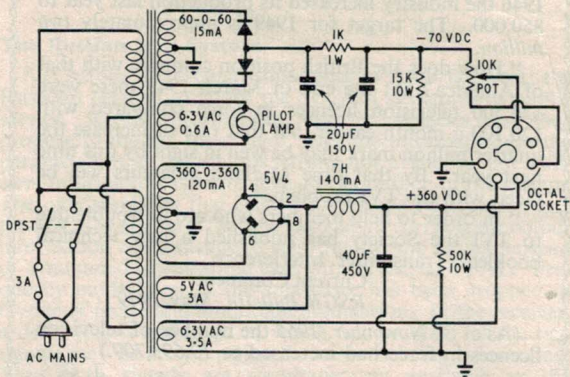


Fig. 2. An additional power supply required for the SB-10.