Swan 400 VX-1 VOX Schematic

FIG. 15  PLUG IN VOX ACCESSORY, MODEL VX-1

OPERATING INSTRUCTIONS

1. Place the VOX PTT switch in the PTT position and adjust the transceiver for normal push-to-talk operation.

2. Plug in the VX-1 and rotate the VOX GAIN, ANTI-VOX, and DELAY controls fully counterclockwise. Attach the top of the VX-1 to the 280 back with a #3-32 screw.

3. Rotate the transceiver VFO GAIN fully counterclockwise. This will prevent audio from being transmitted but will not affect VX-1 during initial adjustments.

4. Place the VOX PTT switch in the VOX position.

5. While speaking into the microphone in a normal manner, slowly rotate the VOX GAIN control clockwise until the VX-1 keys the transmitter. Do not use more VFO GAIN than necessary to assure positive operation of normal voice levels.

6. Increase the receiver gain until received signals are at a normal volume level. These signals will trip the Vox when picked up by the microphone.

7. With the microphone held in the normal operating position, very slowly increase the ANTI-VOX until received signals do not trip the Vox.

NOTE: Excessive ANTI-VOX gain will cause received signals to gole the VX-1 off so that no amount of sound at the microphone will key the transmitter. Satisfactory balance between the VOX GAIN and ANTI-VOX is easily obtained when the microphone is at least a foot from the speaker.

8. Adjust the DELAY control to hold the transmitter keyed for the desired interval after you stop talking.

NOTE: A little experimenting on the air will reveal that only a small portion of the first spoken syllable is left when the VX-1 is actuated. Short DELAY settings will result in most efficient operation.