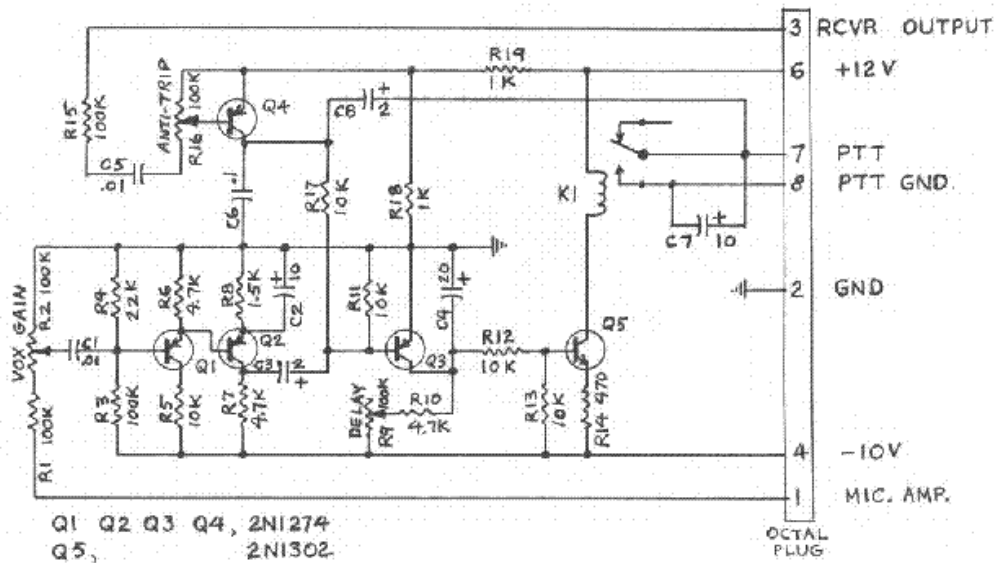


Swan 400 VX-1 VOX Schematic



Q1 Q2 Q3 Q4, 2N1274
Q5, 2N1302

SWAN ELECTRONICS, Oceanside Calif.

VX-1 SCHEMATIC
Voice Control Accessory
For Swan 250-350-400

B-3-65

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 counter-clockwise. Attach the top of the VX-1 to the 350 back with a G-32 screw.
3. Rotate the transceiver MIC. GAIN fully counter-clockwise. This will prevent audio from being transmitted but will not affect VX-1 during initial adjustments.
5. Place the VOX-PTT switch in the VOX position.
6. 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 VOX GAIN than necessary to assure positive operation at normal voice levels.
7. 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.

8. 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 gate 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.

9. 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 lost when the VX-1 is actuated. Short DELAY settings will result in most efficient operation.