

## HT 32 VOX RELAY

The coil of the vox relay should read 9,000 ohms, it is the plate load for V17 pin 1. The same relay was used in the 32's, 37 and SR-150. It was used in a lot of ham gear. The Potter/Brumfield # is MH-3665-1. It is listed as a 120vdc relay with a coil resistance of 9K ohms. It is a 4-pole RELAY with 3 double throw contact sets and 1 single through contact set. The P/B #MH-3665 is a 4-pole double throw and can be used as a sub.

You should read about 290vdc on pin 1 of V17. In standby or mox unkeyed both sides of the coil should read 290vdc. If you have 290v on one side of the relay but not the other the coil is open.

If there is no 290v on either side of the relay then look for 290v at the tie point of R89 (8200ohm) and L25.

When working properly, switch in mox position, mic unkeyed, you will have 290v on pin1 of v17. When you key the mic (or with key plugged in and key down) The voltage on pin 1 of V17 will drop to around 170vdc and the relay will energize.

If you have to substitute with a modern relay. the important specs are; 9K ohm coil and approximately 120vdc working voltage. The relay coil provides the plate load for V17 pin 1.

