

BULLETIN NO: 278

SUBJECT: Addition of transmit interlock capability to the VC 401B Series III Communications Transceiver.

It has come to the attention of BENDIX/KING that some operators of Series III VC 401B Communications Transceivers have experienced crosstalk problems. It usually occurs when there is insufficient antenna isolation to prevent the 20 watt transmitter of one VC 401B from overwhelming the receiver of the second VC 401B.

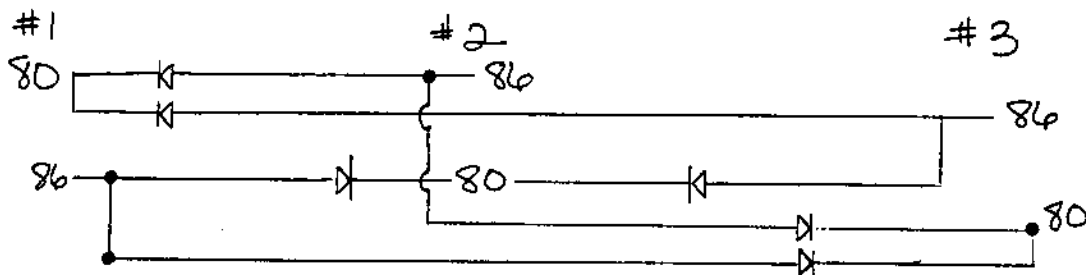
To correct this problem, unit Mod 5 to the VC 401B has been created. This modification adds a transmit interlock function that reduces the gain of the affected receiver so the copilot won't hear the pilot's transmissions on a different frequency. In order for this interlock to function two (2) wires must be added to the installation between the MIC push-to-talk line (connector P1001, Pin 80) of one transceiver and the new transmit interlock function pin (P1001, Pin 86) of the other.

| <u>VC 401B #1</u> | <u>VC 401B #2</u> |
|-------------------|-------------------|
| P1001 | P1001 |
| P-T-T 80----- | 86 TX INTLK |
| TX INTLK 86----- | 80 P-T-T |

In order for this modification to be effective, both unit Mod 5 and this installation bulletin must be complied with.

Refer to Service Bulletin VC 401B-5, KPN 651-0064-70/BPN 40-017, for further information.

For three (3) VC 401B's installation:



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