## Rockwell- SERVICE INFORMATION LETTER

Collins Telecommunications Products Division/Rockwell International

.350354

KWM-380 TRANSCEIVER (622-5093-001, -101) HF-380 TRANSCEIVER (622-3580-001, -101)

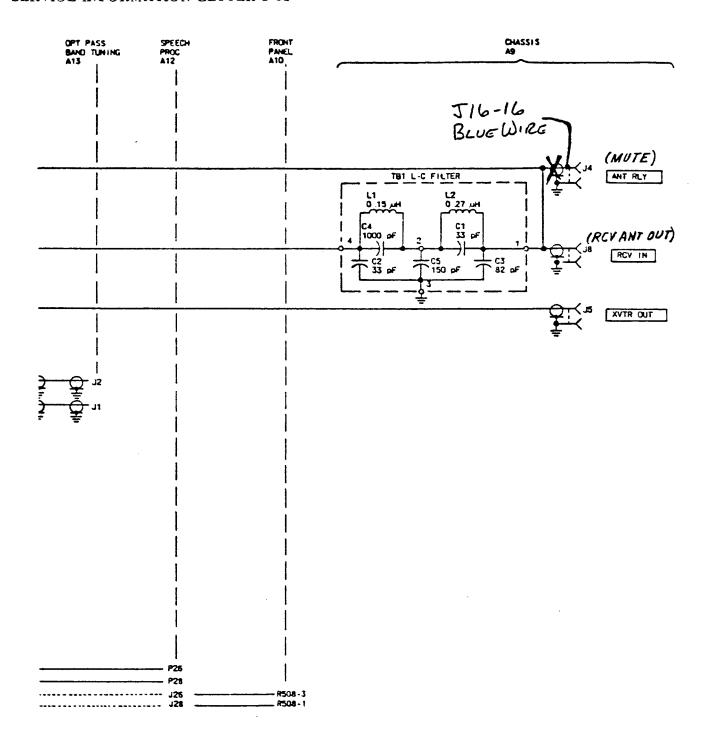
SERVICE INFORMATION LETTER 1-81

## PROVIDE MUTE FUNCTION FOR EXTERNAL RECEIVER

The purpose of this service information letter is to describe a method for providing a mute function for an external receiver such as the Collins 75S-3C. Refer to the attached illustrations and perform the following:

- 1. Remove the jumper between J4 and J8 on the rear of the chassis.
- 2. Remove the coax from J4 and connect it to J8. J4 should now be empty and J8 should have two coax cables attached to it.
- 3. Connect the blue wire from the ribbon cable (coming from J16-16 on the receiver-exciter board) to J4. The blue wire will be found in the rear of the radio near J4 and J8.
- 4. Place a small jumper between the indicated pad and ground on receiver-exciter circuit board A3 (near K900).
- 5. Connect the 75S-3C antenna jack to KWM-380 RCV IN jack (J8). Connect the 75S-3C mute jack to the KWM-380 ANT RLY jack (J4).

Connector J8 will now provide a receive antenna output to the external receiver in parallel with the KWM-380/HF-380 receiver. Connector J4 will now provide the mute function for the external receiver by providing a ground during receive and an open during transmit.



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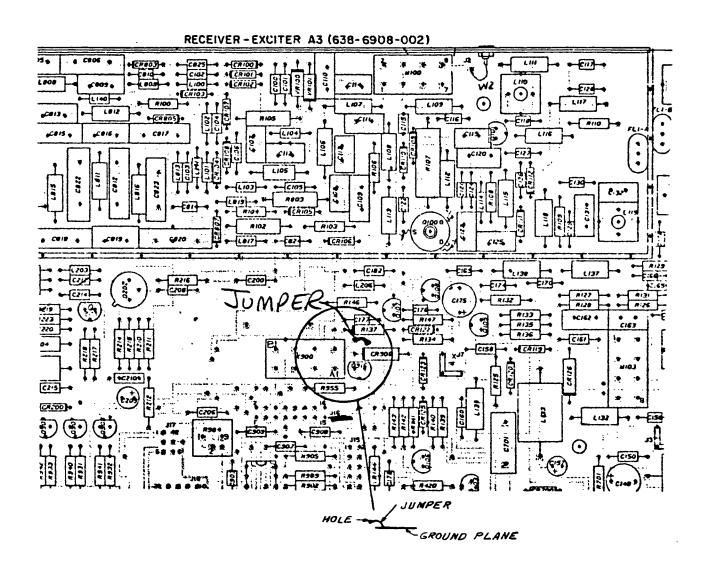
KWM-380 Interconnect Diagram Figure 1

- FF (7)

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228 R (2,4,5,8) هڪا GG (7) P/Q J13 U912A 12 455.0 kHz ENABLE U9108 454.2 kHz ENABLE 12 | U9100 U9030 U905C U909A 13 12 CW OSC KEYING - IQ( (7) C901 1000 p€ SIDETONE Q C900 R920 1 M R921 U908A SIDETONE U9038 U905A 2 X (5) U903A U905G AA (4) CC (5,8) Q917 HPSA14 +5 V DC CW 00 (5,8) Q904 MPS2907A +9 V OC +9 V DC XMT P/0 J16 C902 +9 V DC XMT (TO PA) P/0 JI2 PTT PIT HH (7) RCV RCV JJ (7) 0905 HPS2907A •9 Y DC +9 Y DC RCV R929 10 k Q903 MPSA14 ≹ R928 10 k JUM PER R927 820 P/0 J16 RCVR MUTE AP CTL Q916 HPSA14 ER 0N9 634 -6913 TPA-1687-084

Receiver-Exciter A3, Schematic Diagram Figure 2



Receiver-Exciter A3 (638-6908-002) Figure 3