

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

SERVICE BULLETIN NO 5

AUDIO AND RF GAIN CONTROL TAPER

This service bulletin applies to the following:

EQUIPMENT	APPLIES TO SERIAL NUMBERS	PRODUCTION CUT-IN SERIAL NUMBERS
KWM-380 622-5093-001, -101	375 and below	376
HF-380 622-3580-001, -101	37 and below	38

Resistance tapers on the audio and rf gain control may be undesirable. Depending upon operator subjectivity, this may be an operational annoyance.

This modification replaces the original AF RF GAIN potentiometer with a new pot that has a more conventional taper (audio 10c log, rf linear).

Estimated time required is 0.5 man-hour.

The modification part is listed in the material information paragraph. For information concerning parts, contact Collins Service Center, Rockwell International, 6001 Threadgill Avenue, El Paso, Texas 79924. Reference KWM-380/HF-380 Service Bulletin No 5 in all correspondence.

No special tools or equipment are required.

MODIFICATION PROCEDURE

- A. Turn off all power to the transceiver.
- B. Remove the dust cover by removing the four screws located adjacent to the four feet on the bottom of the transceiver.

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- C. Remove the AF RF GAIN knobs from the front panel by loosening two setscrews in each knob.

NOTE: Refer to figure 1 while performing steps D through F.

- D. Remove R5 by removing one nut and one lockwasher.
- E. TAG AND REMOVE the wires connected to tandem potentiometer R5.
- F. Connect the wires that were removed in step E to the new R5.
- G. Install new potentiometer R5 (376-0276-050) using the nut and lockwasher supplied with the pot.
- H. Solder all electrical connections.
- I. Reinstall the AF RF GAIN knobs and tighten the setscrews in each knob.
- J. Reinstall the dust cover.
- K. Mark SB 5 on the service bulletin information chart. If the transceiver does not have an information chart, install a chart (280-3778-010) near the nameplate.

MATERIAL INFORMATION

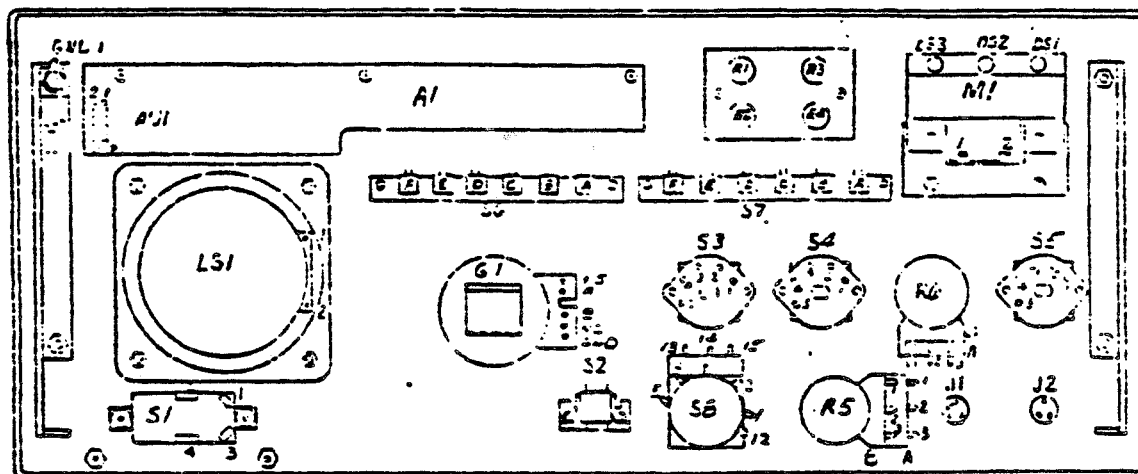
The part listed below is required to modify one KWM-380 or one HF-380.

<u>COLLINS PART NUMBER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
376-0276-050	1	Potentiometer, tandem
*280-3778-010	1	Chart, information

*Order only if needed.

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KWM-380/HF-380 Front Panel, Rear View
Figure 1