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## INFORMATION #902

ZIB-093

To: ICOM Distributors

From: ICOM Inc. / Service Department

Date: February 27, 2002

Service handling necessary:

Yes  No

### **Re: Correction of Alignment Procedure of the IC-A23 Service Manual.**

We would like to inform you correct information of the IC-A23 service manual.

We made a correction of squelch alignment procedure of the IC-A23 service manual (5-3 RECEIVER ADJUSTMENT) as shown in the attached document.

We will release the new version of IC-A23 service manual without above faulty.

However, please attach this correction to your old IC-A23 service manual.

Best regards.

Masahiro Gono

ICOM Inc. / Service Department

### 5-3 RECEIVER ADJUSTMENT

- The follow adjustment must be performed at the "ADJUSTMENT" mode, and turn [DIAL] to start each adjustment and finish automatically.

ADJUSTMENT	ADJUSTMENT CONDITIONS		ADJUSTMENT	
			UNIT	ADJUST
RECEIVER SENSITIVITY	1	<ul style="list-style-type: none"> <li>Operating channel : 3 ch [BF1ADJ] (108.200 MHz)</li> <li>Connect a standard signal generator to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Frequency : 108.200 MHz</li> <li>Level : 1.0 <math>\mu</math>V* (-107 dBm)</li> <li>Modulation : OFF</li> </ul> </li> <li>Connect a external speaker (8 <math>\Omega</math>), AC millivoltmeter and distortion meter to the [MIC/SP] jack.</li> <li>Receiving</li> </ul>	Top panel	[DIAL]
	2	Same adjustment as step 1 for following channels. <ul style="list-style-type: none"> <li>4 ch [BF2ADJ] (128.200 MHz)</li> <li>5 ch [BF3ADJ] (136.800 MHz)</li> <li>6 ch [BF4ADJ] (161.650 MHz)</li> </ul> <b>NOTE: Tune the SSG's frequency to adjustment frequencies.</b>		
SQELCH LEVEL (AM threshold)	1	<ul style="list-style-type: none"> <li>Operating channel : 7 ch [ASADJS] (118.000 MHz)</li> <li>Connect a standard signal generator to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Frequency : 118.000 MHz</li> <li>Level : 0.5 <math>\mu</math>V* (-113 dBm)</li> <li>Modulation : OFF</li> </ul> </li> <li>Receiving</li> </ul>	Top panel	[DIAL]
	(AM tight)	2		
(FM threshold)	3	<ul style="list-style-type: none"> <li>Operating channel : 9 ch [FSADJS] (161.650 MHz)</li> <li>Set a standard signal generator as:               <ul style="list-style-type: none"> <li>Frequency : 161.650 MHz</li> <li>Level : 0.16 <math>\mu</math>V* (-122 dBm)</li> <li>Modulation : OFF</li> </ul> </li> <li>Receiving</li> </ul>		
(FM tight)	4	<ul style="list-style-type: none"> <li>Operating channel : 10 ch [FSADJT] (161.650 MHz)</li> <li>Set a standard signal generator as:               <ul style="list-style-type: none"> <li>Frequency : 161.650 MHz</li> <li>Level : 1.8 <math>\mu</math>V* (-102 dBm)</li> <li>Modulation : OFF</li> </ul> </li> <li>Receiving</li> </ul>		
VOR PHASE (IC-A23 only)	1	<ul style="list-style-type: none"> <li>Operating channel : 11 ch [VORADJ] (113.000 MHz)</li> <li>Connect a standard signal generator to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Frequency : 113.000 MHz</li> <li>Level : 0.22 mV* (-60 dBm)</li> <li>Modulation : 9960 Hz, 30 % 30 Hz, 30 %</li> <li>Bearing : FROM, 90°</li> </ul> </li> </ul>	Top panel	[DIAL]
VOR OFF (IC-A23 only)	1	<ul style="list-style-type: none"> <li>Operating channel : 12 ch [OFFADJ] (113.000 MHz)</li> <li>Connect a standard signal generator to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Frequency : 113.000 MHz</li> <li>Level : 7.1 <math>\mu</math>V* (-90 dBm)</li> <li>Modulation : 9960 Hz, 10 % 30 Hz, 30 %</li> <li>Bearing : FROM, 90°</li> </ul> </li> </ul>	Top panel	[DIAL]

\*This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.