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INFORMATION #902

ZIB-093

To: ICOM Distributors
From: ICOM Inc. / Service Department
Date: February 27, 2002

Service handling necessary: [] Yes [X] 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"> Operating channel : 3 ch [BF1ADJ] (108.200 MHz) Connect a standard signal generator to the antenna connector and set as: <ul style="list-style-type: none"> Frequency : 108.200 MHz Level : 1.0 μV* (-107 dBm) Modulation : OFF Connect a external speaker (8 Ω), AC millivoltmeter and distortion meter to the [MIC/SP] jack. Receiving 	Top panel	[DIAL]
	2	<ul style="list-style-type: none"> Same adjustment as step 1 for following channels. <ul style="list-style-type: none"> 4 ch [BF2ADJ] (128.200 MHz) 5 ch [BF3ADJ] (136.800 MHz) 6 ch [BF4ADJ] (161.650 MHz) NOTE: Tune the SSG's frequency to adjustment frequencies. 		
SQUELCH LEVEL (AM threshold)	1	<ul style="list-style-type: none"> Operating channel : 7 ch [ASADJS] (118.000 MHz) Connect a standard signal generator to the antenna connector and set as: <ul style="list-style-type: none"> Frequency : 118.000 MHz Level : 0.5 μV* (-113 dBm) Modulation : OFF Receiving 	Top panel	[DIAL]
(AM tight)	2	<ul style="list-style-type: none"> Operating channel : 8 ch [ASADJT] (136.975 MHz) Set a standard signal generator as: <ul style="list-style-type: none"> Frequency : 136.975 MHz Level : 5 μV* (-93 dBm) Modulation : OFF Receiving 		
(FM threshold)	3	<ul style="list-style-type: none"> Operating channel : 9 ch [FSADJS] (161.650 MHz) Set a standard signal generator as: <ul style="list-style-type: none"> Frequency : 161.650 MHz Level : 0.16 μV* (-122 dBm) Modulation : OFF Receiving 		
(FM tight)	4	<ul style="list-style-type: none"> Operating channel : 10 ch [FSADJT] (161.650 MHz) Set a standard signal generator as: <ul style="list-style-type: none"> Frequency : 161.650 MHz Level : 1.8 μV* (-102 dBm) Modulation : OFF Receiving 		
VOR PHASE (IC-A23 only)	1	<ul style="list-style-type: none"> Operating channel : 11 ch [VORADJ] (113.000 MHz) Connect a standard signal generator to the antenna connector and set as: <ul style="list-style-type: none"> Frequency : 113.000 MHz Level : 0.22 mV* (-60 dBm) Modulation : 9960 Hz, 30 % 30 Hz, 30 % Bearing : FROM, 90° 	Top panel	[DIAL]
VOR OFF (IC-A23 only)	1	<ul style="list-style-type: none"> Operating channel : 12 ch [OFFADJ] (113.000 MHz) Connect a standard signal generator to the antenna connector and set as: <ul style="list-style-type: none"> Frequency : 113.000 MHz Level : 7.1 μV* (-90 dBm) Modulation : 9960 Hz, 10 % 30 Hz, 30 % Bearing : FROM, 90° 	Top panel	[DIAL]

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