



PHOTOFACT[®] with CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.
(Refer to FCC Rules and Regulations Part 95, Subpart C & D.)

The frequency of the transmitter should be checked periodically with a secondary frequency standard to insure proper and legal operation.

Best results will be obtained when adjusting the final RF output circuit if the antenna normally used is connected and the chassis is as nearly in the cabinet as possible.

Connect either 50-ohm dummy load or the normally used antenna system.



MODEL SX-101

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

L4, L5, L6, L7, L8 GC ELECTRONICS 5000, 8290
ALL other tunable coils and transformers 940

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 14-volt DC input.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01 uF to Base of TR3, low side to ground.	455kHz, 1000Hz @ 30% modulation	Any	L6, L7, L8	Set generator output to maintain 0.5V across speaker voice coil. Adjust for maximum.
High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 1 uV	11	L2, L3, L4, L5, L9, L10	Adjust for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 14-volt DC input.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
RF GAIN High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz, @ 30% modulation, output 0.5 uV.	11	VR9	Adjust for 0.5V output across speaker voice coil.
SQUELCH RANGE High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 20 uV.	11	VR7	Set squelch control fully clockwise. Adjust so that squelch just breaks.
"S" METER High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 20 uV.	11	VR1	Adjust for "S" 9 reading on panel meter.

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ROBYN MODEL SX-101