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Wawasee JB-12/RB and JB-150A/AB Information Sheet

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WAWASEE ELECTRONICS COMPANY, INC.

LINEAR AMPLIFIERS



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Syracuse, IN 46567

Models JB 12/RB and JB 150A/RB receiver boosters.

DESCRIPTION

The models JB 12/RB and JB 150A/RB are a 120 VAC base receiver preamplifier also known as a receiver booster. These units will take a low level signal and boost it approximately 3-4 S units on receive. This gain factor will be dependent upon the type of AGC (automatic gain control) circuitry designed into the various receivers. This means that a receiver that has a AGC circuit will automatically cut back any strong signal to prevent overloading the sensitive front end of the receiver; therefore, it helps to eliminate distortion and saturation of the bandwidth characteristics of the receiver known as co channel interference.

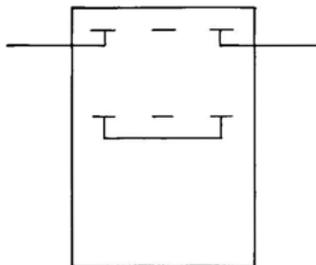
The boosters will provide more gain on poorly designed AGC systems as compared to the better ones. In all cases there will be a noticeable boost in receive signal when using the JB 12/RB and the JB 150/RB.

OPERATION

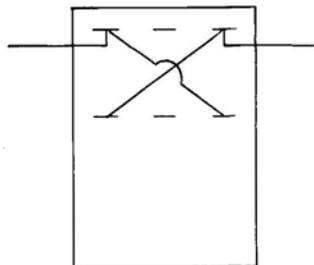
Plug the booster into a 120 VAC socket; turn the unit on and wait for the 2 tubes to warm up for about 2 minutes. Use a 3 feet or longer piece of 50 ohm co-ax cable from your transceiver and connect it to the input terminal of the booster. Connect your antenna to the output terminal of the booster. Make sure the standby switch is in the up position. This will allow the antenna transfer relay to function for automatic switching when you transmit. Your received signal will now be boosted. Adjust the tune control on the rear of the booster for maximum receive signal.

DANGER !!! YOU CANNOT TRANSMIT WHEN THE STANDBY SWITCH IS IN THE DOWN POSITION. TRANSMITTING WITH THE SWITCH DOWN WILL POSSIBLY DESTROY THE TRANSMITTER FINAL.

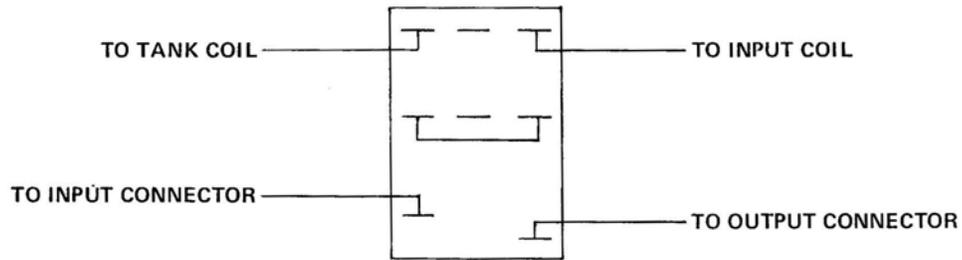
Booster relay



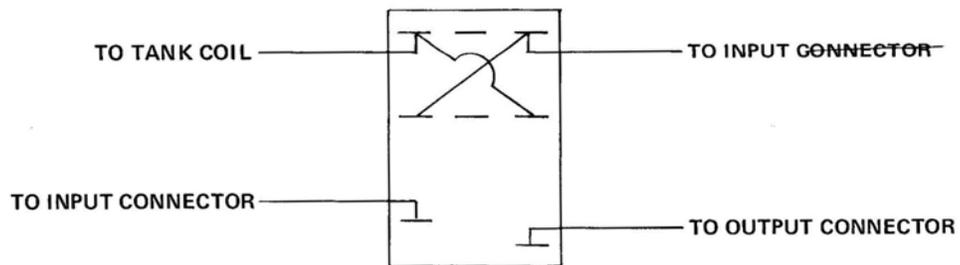
Other Relay



Manufacturers of the "BLACK CAT" and the "JEWEL BOX" Linear Amplifiers



JB 150 R/B & JB 12 R/B



OLD JB 150-A & JB 12 A

FCC regulations forbid the sale,
offer for sales, or use of this unit
in the 24 mhz to 35 mhz range.

BIAS VOLTAGES:
JB 12 40 VOLTS NEG.
JB 150 36 VOLTS NEG.

BIAS VOLTAGES ARE HOOKED UP DIRECT TO THE
BIAS RF. CHOKE AND NOT TO THE RELAY AS IN
THE NEW RECEIVE BOOSTER.