

TEN-TEC ARGONAUT 505 SERVICE NOTE

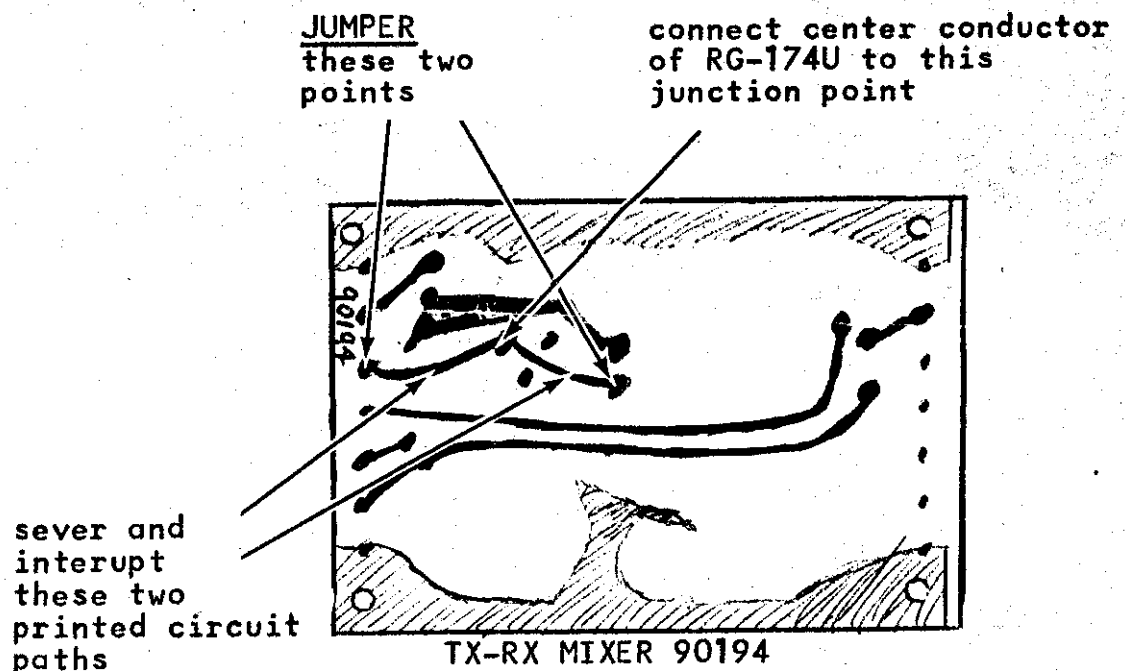
Subject: Installation of the Model 249 Noise Blanker into the Argonaut 505 circuit

GENERAL

The TEN-TEC Model 249 NOISE BLANKER can be installed into the Argonaut 505 with minor modifications to the Argonaut 505.

INSTALLATION

- 1.) Remove the top cover of the Argonaut 505 and locate the TX-RX MIXER BOARD 90194.
- 2.) Remove RX-TX MIXER BOARD 90194 from Argonaut 505 chassis after loosening and removing screws holding board in place.
- 3.) With bottom side of board facing up and oriented as shown below, sever and interrupt the path of the printed circuit as indicated. Sever the path in two places and jumper across the isolated segment of the path as indicated.



- 4.) Secure and orient the MODEL 249 NOISE BLANKER BOARD according to your personal preference, that is either inside the Argonaut 505 or external to it.
- 5.) Using RG-174U coaxial cable, with braid to GND, connect the center conductor to the position on the TX-RX MIXER BOARD 90194 as indicated under instruction #3 above.
- 6.) At the opposite end of this same cable, connect the center conductor to the IN pin of the MODEL 249 NOISE BLANKER BOARD and the braid to GND.
- 7.) Replace and secure TX-RX MIXER BOARD 90194 into its original chassis position.
- 8.) Using another piece of RG-174U coaxial cable, with the braid to GND, connect the center conductor to the OUT pin of the MODEL 249 NOISE BLANKER BOARD.
- 9.) At the opposite end of this same cable, connect the center conductor to the OUTPUT pin of the SSB GENERATOR BOARD 90191, with braid to GND.
- 10.) In order to activate the Model 249 NOISE BLANKER BOARD circuitry, it will be necessary to install a SPST switch in the +12 SW supply line of the Model 249 NOISE BLANKER BOARD. Remove the existing RF GAIN pot in the 505 and replace it with the supplied pot, Pt. No. 30057, which contains a PUSH ON switch. Rewire connections. Obtain 12 VDC from a nearby line and bring this 12 VDC through the switch to the +12 SW pin of Model 249.
- 11.) Connect the +12 pin on the opposite side of the MODEL 249 NOISE BLANKER BOARD to any nearby 12 VDC line inside the Argonaut 505.
- 12.) Make certain that the ground pins of the MODEL 249 NOISE BLANKER BOARD are connected to chassis ground.
- 13.) Re-peak the coil on the TX-RX MIXER BOARD 90194 by tuning the receiver to a strong signal, advancing the rf control completely clockwise, and advancing the AF GAIN control to a comfortable level. Adjust this coil to maximum signal level.

OPERATION

Refer to Instruction Sheet for Model 249.

Note:

TEN-TEC does not perform this mod at the factory. And, with this in mind, we cannot guarantee the effectiveness or degree of effectiveness of this procedure.



TEN-TEC INC

BILL Date: _____
 MB To: _____ From: _____
 OE
 N/C Cust PO: _____

- Send Part
- Part Already Ship
- Part Herewith
- Send Bill Only
- Send Part w/ Att

QUAN	Pt #	Description	\$@	Price
1	74062	249 Instruction Sht	2.00	2.00
1	80331	249 Noise Blanker	29.00	29.00
2	80140	Terminal Strip	1.00	2.00
1	30057	25K SPST pot w/ sw	1.80	1.80
1		SN-7-505 Mod Note		
		Shipping		2.00
		TOTAL		36.80
		Tennessee residents Add 6% sales tax		