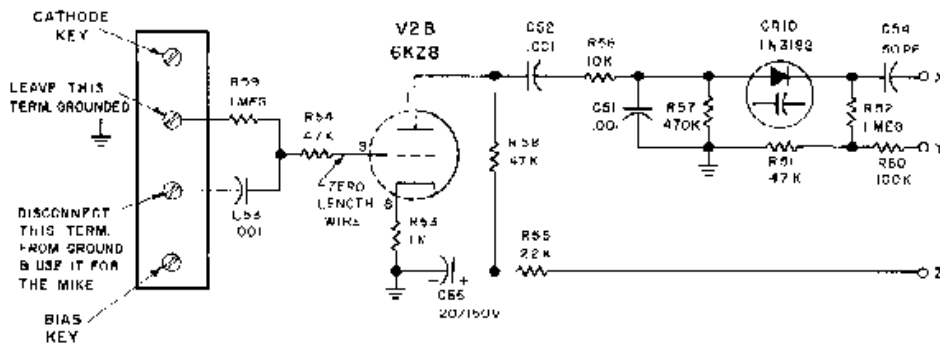


ADDING NARROW BAND FM TO AMECO VFO-621

Narrow Band FM can be added to the AMECO VFO-621 if the following circuitry is added. All leads must be as short as possible. The parts shown in oscillator compartment must be put in the front section of the VFO. Take care not to disturb any adjustments or parts, other than the two major connections which must be made. The 50 pF disc capacitor which must be an NPO, goes from the diode shown, to the junction of R3 and the emitter of Q1. R60 goes to the junction of R4 and C21 which is the feedthru capacitor in the shield. C52 runs from R56 to pin 1 of V 2B. Connect one end to R56 and a piece of wire to its other end. Then run the wire between the center shield and the side of the chassis nearest to V2 in order to bring the wire into the tube compartment.

This circuit change is not available from the factory. All parts below can be bought over the counter at most electronic parts distributors.



PARTS LIST

ITEM	DESCRIPTION
C 51, 52, 53	.001 uF, disc capacitor
C 54	50 pF, disc capacitor
C 55	20 uF/150 V, electrolytic capacitor
R 54	20 K, 1/2 W, resistor
R 55, 56, 58	47 K, 1/2 W, resistor
R 57, 59	1 meg, 1/2 W, resistor
R 53	1 K, 1/2 W, resistor
R 55	22 K, 1/2 W, resistor
R 56	22 K, 1/2 W, resistor
R 57	470 K, 1/2 W, resistor
CR10	1N3182 diode

NOTES:

- UNLESS OTHERWISE SPECIFIED;
CAPACITOR VALUES ARE IN MICROFARADS,
RESISTOR VALUES ARE IN OHMS, 1/2 W.

B 1613002

SCHEMATIC DIAGRAM - NBFM MODIFICATION

Warranty

AMECO, Division of AEROTRON, INC., Raleigh, N. C., warrants each new radio product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part, in exchange for any part of any unit of its manufacture which under normal installation, use and service disclosed such defect, provided the unit is delivered by the owner to us or to our authorized radio dealer or wholesaler from whom purchased, or authorized service station, in time, for our examination, with all transportation charges prepaid to our factory, within ninety days from the date of sale to original purchaser and provided that such examination discloses, in our judgment, that it is this defective.

This warranty does not extend to any of our radio products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modifications, or to use in violation of instructions furnished by us, nor extend to units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced or changed, nor to accessories used therewith not of our own manufacture.

This warranty is in lieu of all other warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sale of our radio products.



DIVISION OF
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