

MEASUREMENT NOTES:-

- ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS.
- DC VOLTAGES MEASURED WITH 20KΩ/V METER UNDER NO SIGNAL CONDITIONS:-
  - 3-4 RECEIVE AND TRANSMIT MODES.
  - 3 RECEIVE MODE.
  - 3-4 TRANSMIT MODE.
- AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10MΩ AND 12PF OR LOWER, IN SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE:-
  - 650mV Tx TRANSMIT VOLTAGES IN PEAK-PEAK UNITS, WITH A SINGLE TONE APPROX 1KHz 20mVrms APPLIED TO THE MICROPHONE INPUT. THIS CORRESPONDS TO APPROX 10dB OF COMPRESSION IN THE MICROPHONE AMP. A TWO TONE SOURCE WILL GIVE THE SAME PEAK-PEAK MEASUREMENTS.
  - 250μV Rx RECEIVE VOLTAGES EXPRESSED AS EMF FROM A 50Ω SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AGC VOLTAGE AT TP1 TO DECREASE BY 500mV FROM ITS NO SIGNAL VALUE IN THE RECEIVE MODE.
  - 140mV VOLTAGES IN PEAK-PEAK UNITS IN THE RECEIVE AND TRANSMIT MODES.

1650 KHz  
I.F. AMP

VOLUME CONTROL

AUDIO P.A.

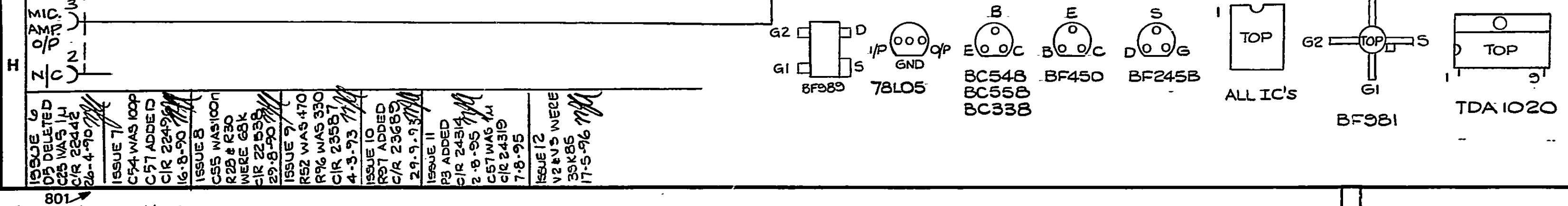
MODULATOR/DEMODULATOR

AUDIO MUTE

ALL DEVICES BASE VIEW UNLESS OTHERWISE STATED

ASSY 08-03025  
PCB 07-00385

NOTES  
1. ALL DIODES BAW62 OR EQUIVALENT  
2. RESISTORS SHOWN   ARE 2%



B. 20970	ISSUE 2	V7 WAS BC548
C. 21023	C56 ADDED	R36 WAS 47K
D. 21053	C/R 2127	C/R 2162
E. 21096	ISSUE 1	ISSUE 2
		ISSUE 3
		ISSUE 4
		ISSUE 5
		ISSUE 6
		ISSUE 7
		ISSUE 8
		ISSUE 9
		ISSUE 10
		ISSUE 11
		ISSUE 12

CODAN		SCALE	TITLE	DATE
DRN. DO		17-4-86	AUDIO & IF	17-4-86
CHKD. <i>[Signature]</i>		21-4-86	1650 KHz	
APPD. <i>[Signature]</i>		30-10-86	DRAWING/DOC NO.	
FINISH		TOLERANCES	A1	04-02093
UNLESS OTHERWISE STATED		2 P. ACES DEC ±	ISS	10/12
		1 PLACE DEC ±	ISS	
		ANGULAR ±	ISS	

568

801