NOTE:
ALL VOLTAGES MEASURED FROM PC BOARD GROUND WITH D C VTVM AT NO SIGNAL (AT 13.8V POWER SUPPLY) IF MEASUREMENT VALUES OBTAINED ARE IN EXCESS OF ±20% OF VALUES SHOWN THEN REASON FOR DIFFERENCE SHOULD BE CORRECTED.
△ Tx : ○ LSB : ( ) AM TX
⏚ CHASSIS GND PC BOARD GND
※ ADJUSTED (TYPICAL VALUE SHOWN)

PCMA001S

PCSW001S

PCLD001

V.C.O MIXER IC 2

MIXER RF ALC IC 3

RF PRE AMP Q5 2SC536 Q6 2SC536

RF DRIVER Q7 2SC2166

RF POWER Q8 2SC1969

SSB AGC Q17 2SK34 2SK304

SSB IF AMP Q14 2SC2839 Q15 2SC2839

SSB DET Q16 2SC536

SSB IF AMP Q11 2SC2839

AM IF AMP Q12 2SC2839

IC4 AN 612

OSC 1 Q1 2SC2839

OSC 2 Q2 2SC2839

OSC 3 Q10 2SC2839

DC SWITCH Q3 2SC2839

DC SWITCH Q4 2SC536

DC SWITCH Q9 2SC2839

DC SWITCH Q13 2SC2839

IC1 AN6040

RF AMP Q18 2SC2839

MIXER Q19 2SC2839

MIXER Q23 2SC2839

AM IF AMP Q24 2SC2839 Q25 2SC2839

AVR Q36 2SD837 2SD1192

NOISE BLANKER Q20 2SC2839 Q21 2SA608K Q22 2SC2839

SQUELCH Q26 2SA608K Q27 2SC536

AF PRE AMP Q28 2SC536 Q29 2SC536

AF AMP IC 6

DC SWITCH BUFFER Q30 (2SD837 2SD1192)

FM DET

DC SWITCH Q33 2SB764

Q35 2SC536 Q34 2SD400

AF ALC Q32 2SA608K

DC SWITCH Q31 2SC536

IC5 AN 244

REAR PANEL

TVI FILTER

TRANSISTOR BASE INFORMATION

E EMITTER S SOURCE
C COLLECTOR G GATE
B BASE D DRAIN

2SC563 2SA608K 2SB764 2SD400

2SA636 2SA304

2SC2839

2SC1969 2SD1192 2SD837 2SC2166

TA7310P AN103

AN 612

AN 7140

MIC UNIT

MIC JACK

FRONT PANEL

SCHEMATIC DIAGRAM
MODEL ALAN 88S