



APPARATUS LEGEND

CAPACITORS

- C1.1 16 UUF MAX.
- C1.3 16 UUF MAX.
- C1.5 16 UUF MAX.
- C1.7 16 UUF MAX.
- C1.2 62 UUF MAX
- C1.4 62 UUF MAX.
- C1.6 62 UUF MAX.
- C1.8 62 UUF MAX.
- C2 0.006 UF 300V
- C3 0.006 UF 300V
- C4 0.006 UF 300V
- C5 0.006 UF 300V
- C6 0.006 UF 300V
- C7 0.006 UF 300V
- C8 500 UUF 500V
- C9 0.006 UF 300V
- C10 0.75 UUF 600V
- C11 0.006 UF 300V
- C12 0.01 UF 300V
- C13 500 UUF 500V
- C14 0.006 UF 300V
- C15 0.5 UF 600V
- C16 2 UF 600V
- C17 0.01 UF 300V
- C18 0.01 UF 300V
- C19 0.002 UF 500V
- C20.1 0.1 UF 600V
- C20.2 0.1 UF 600V
- C20.3 0.1 UF 600V
- C21 0.01 UF 300V
- C22 0.005 UF 300V
- C23 40UF 25V
- C24 1UF 600V
- C25 2 UF 600V
- C26 0.0005 UF 500V
- C35 0.006 UF 300V
- C36 10 UUF 500V
- C38 10 UUF 500V
- C39 0.006 UF 300V
- C41 700 UUF 500V
- C42 200 UUF 500V
- C43 100 UUF 500V
- C44 30 UUF 500V
- C45 100 UUF 500V
- C46 20 UUF 500V
- C51 0.006 UF 300V
- C52 10 UUF 60 UUF 500V
- C53 50 UUF 500V SEE NOTE 2
- C54 50 UUF 60 UUF 500V
- C55 10 UUF 500V SEE NOTE 2
- C56 0.006 UF 300V
- C61 100 UUF 500V
- C62 0.01 UF 500V
- C63 50 UUF 60 UUF 500V
- C64 10 UUF 500V SEE NOTE 2
- C65 10 UUF 60 UUF 500V
- C66 50 UUF 500V SEE NOTE 2
- C67 0.006 UF 300V
- C71 50 UUF 500V
- C72 0.01 UF 500V
- C73 50 UUF 60 UUF 500V
- C74 10 UUF 500V SEE NOTE 2
- C75 10 UUF 60 UUF 500V
- C76 50 UUF 500V SEE NOTE 2
- C77 0.006 UF 300V
- C81 250 UUF 500V
- C82 0.006 UF 300V
- C83 0.006 UF 300V
- C84 50 UUF 500V
- C85 50 UUF OR 60 UUF 500V SEE NOTE 1
- C86 50 UUF OR 60 UUF 500V
- C87 25 UUF
- C88 10 UUF 500V SEE NOTE 2
- C91 50 UUF 500V
- C92 50 UUF 500V
- C93 100 UUF 500V
- C94 50 UUF 500V

SWITCHES

- D1 REC ON-OFF
- D2 RADIO-INT
- D3 ON-OFF SPEAKER
- D4 ON-OFF SQUELCH
- D5 TUNE-OPERATE

E1 CALL SIGNAL

F1 FUSE 15 AMP

JACKS

- J1 PHONES
- J2 PHONES
- J3 FRONT PANEL JACK

COILS

- L1 LIMITER CATHODE CHOKE
- L32 ANTENNA COUPLING
- L33 RF PLATE
- L34 MOD GRID
- L41 R F OSCILLATOR
- L51 1ST IF GRID
- L52 MODULATOR PLATE
- L61 2ND IF GRID
- L62 1ST IF PLATE
- L71 LIMITER GRID
- L72 2ND IF PLATE
- L81 DETECTOR INPUT
- L82 LIMITER PLATE
- L91 IF OSCILLATOR
- LS1 LOUD SPEAKER

POTENTIOMETERS

- P1 100,000 Ω
- P2 200 Ω

PLUGS

- PG1 RECEIVER PLUG
- PG2 DYNAMOTOR PLUG
- PG3 FRONT PANEL PLUG

RESISTORS

- R1 30,000 Ω 1W
- R2 250,000 Ω 1/2W
- R3 500 Ω 1/2W
- R4 50,000 Ω 1/2W
- R5 300 Ω 1/2W
- R6 100,000 Ω 1/2W
- R7 30,000 Ω 1W
- R8 70,000 Ω 1/2W
- R9 1,000 Ω 1/2W
- R10 250,000 Ω 1/2W
- R11 1,000,000 Ω 1/2W
- R12 2,000 Ω 1/2W
- R13 10,000 Ω 1/2W
- R14 250,000 Ω 1/2W
- R15 1,000,000 Ω 1/2W
- R16 1,000,000 Ω 1/2W
- R17 250,000 Ω 1/2W
- R18 100,000 Ω 1/2W
- R19 2,000,000 Ω 1/2W
- R20 300 Ω 1W
- R21 30,000 Ω 2W
- R22 30,000 Ω 1/2W
- R23 5,000 Ω 1/2W
- R24 50 Ω 1/2W
- R25 2,500 Ω 1/2W
- R26 1,200 Ω 1/2W
- R27 2,500 Ω 1/2W
- R28 2,500 Ω 1/2W
- R29 13,000 Ω 2W
- R30 5 Ω 4W
- R31 6,800 Ω 1W
- R32 30,000 Ω 1/2W
- R33 30,000 Ω 1/2W
- R37 250,000 Ω 1/2W
- R38 1,000 Ω 1/2W
- R41 100,000 Ω 1/2W
- R42 30,000 Ω 1W
- R43 30,000 Ω 1W
- R51 250,000 Ω 1/2W
- R52 30,000 Ω 1/2W
- R53 100,000 Ω 1/2W
- R54 100,000 Ω 1/2W
- R61 100,000 Ω 1/2W
- R62 43,000 Ω 1/2W
- R63 10,000 Ω 1/2W
- R64 1,000 Ω 1/2W
- R71 250,000 Ω 1/2W
- R72 30,000 Ω 1/2W
- R73 10,000 Ω 1/2W
- R74 1,000 Ω 1/2W
- R81 70,000 Ω 1/2W
- R82 250,000 Ω 1/2W
- R83 70,000 Ω 1/2W
- R84 250,000 Ω 1/2W
- R85 1,000 Ω 1/2W
- R91 100,000 Ω 1/2W
- R92 40,000 Ω 1/2W
- R93 40,000 Ω 1/2W
- R94 2,000,000 Ω 1/2W
- R95 15,000 Ω 1/2W
- R96 30,000 Ω 1/2W
- T1 OUTPUT TRANSFORMER

VACUUM TUBES

- V1 VT-112 (6AC7)
- V2 VT-112 (6AC7)
- V3 VT-94 (6J5)
- V4 VT-209 (12SG7)
- V5 VT-209 (12SG7)
- V6 VT-112 (6AC7)

- V7 VT-90 (6HG)
- V8 VT-107-A (6V6GT)
- V9 VT-229 (6SL7GT)
- V10 VT-229 (6SL7GT)

DYNAMOTORS

- DM-34-D 12 VOLT CAPACITORS
- C701 0.003 UF 1000 V
- C702 0.003 UF 1000 V
- C703 0.003 UF 500 V
- C704 0.003 UF 500 V
- C705 0.003 UF 1000 V
- C706 0.003 UF 1000 V

COILS

- L701 HV FILTER
- L702 LV FILTER
- L703 HV FILTER
- L704 HV FILTER

J701 DYNAMOTOR JACK

MG701 12V DYNAMOTOR

DM-36-D 24 VOLT CAPACITORS

- C801 0.003 UF 1000 V
- C802 0.003 UF 1000 V
- C803 0.003 UF 500 V
- C804 0.003 UF 500 V
- C805 0.003 UF 1000 V
- C806 0.003 UF 1000 V

COILS

- L801 HV FILTER
- L802 LV FILTER
- L803 HV FILTER
- L804 HV FILTER

J801 DYNAMOTOR JACK

MG801 24V DYNAMOTOR

Figure 16 SCHEMATIC, BC-603 RECEIVER.