EO-3077-C-100

EP0-0656

EP0-0657

23 MHz OSCILLATOR Q1 2SC839H(F)

SYNTH. MIXER Q2 2SC710(C)

TRANSMIT MIXER Q5 2SC710(C)

PRE-DRIVER Q6 2SC710(C)

PRE-DRIVER Q7 2SC735(O)

DRIVER Q8 2SC1760-2

RF POWER AMPLIFIER Q9 2SC1306

14 MHz OSCILLATOR Q3 2SC839(H)

OFFSET OSCILLATOR Q4 2SC839(H)

AUTOMATIC VOLTAGE REGULATOR Q10 2SC1318(Q)

TRANSMIT SWITCH Q11 2SA719(Q)

2nd. LOCAL OSCILLATOR Q16 2SC839(H)

RF AMP. Q12 2SC460(A)

1st. RECEIVE MIXER Q13 2SC710(C)

2nd. IF 1st. STAGE AMPLIFIER Q14 2SC710(C)

2nd. IF 2nd. STAGE AMPLIFIER Q15 2SC710(C)

TRANSMIT AUDIO ALC Q17 2SC945A(R)

RANGE BOOST Q18 2SC945A(R)

SQUELCH SWITCH Q19 2SC945A(R)

IC 1 TA7205P

HAND SET UNIT

S.P MIC T R T R

MIC UNIT

MIC T R T R

REAR PANEL

J1 ANT

J4 REMOTE SP JACK

J5 DC 13.6V

J6 AC

F1 250V 0.75A

S2

EP0-0612B SERIES REG. Q3 2SD313

SENSE AMP. CONTROL AMP Q2 2SC900F Q1 2SC900F

P.T

XTal	23.290MHz	XTal	14.950 MHz
2	23.340	8	14.960
3	23.390	9	14.970
4	23.440	10	14.990
5	23.490	11	11.275
6	23.540	12	11.730

LEFT SIDE PANEL

TOP PANEL

RIGHT SIDE PANEL

MIC.

VOLUME OFF/VOL

SQUELCH

S-PRF METER

SP

PHONE J3

NOTES:

1. All resistors ¼ watt, 5%, except as noted.
2. All capacitors in uF, except as noted.
3. Symbols
   - ⏚ - chassis ground
   - ⏚ - p.c. board ground
   - ✱ - component value variable

SEMICONDUCTOR TERMINAL CONNECTION (BOTTOM VIEW UNLESS OTHERWISE NOTED)

E : EMITTER
C : COLLECTOR
B : BASE

2SC839 2SC829 2SC1318 2SA719 2SC945 2SC828 2SC900

2SC710

2SC735 2SC372

SIDE VIEW B C E — 2SC1306 2SD313 2SC1816

SIDE VIEW B C E — 2SC1760

SIDE VIEW E C B — 2SC460

SIDE VIEW E C B — 2SC1957

SIDE VIEW 12------910 — TA7205

Figure 4-4. Schematic Diagram, Model 3077