

OPERATING INSTRUCTIONS

RECEIVER OPERATION

1. Set the RF GAIN to MAX and the AUTO NOISE LIMITER to OFF. Set the CB/PA switch to CB position. Set the CHANNEL SELECTOR to any desired channel except channel 9.
2. Rotate the VOLUME CONTROL to approximately 3/4 of its position and the SQUELCH CONTROL full CCW position. After receiving a signal reset the VOLUME CONTROL to a comfortable position and the SQUELCH CONTROL as described under Function of Controls.
3. As you rotate the CHANNEL SELECTOR you will hear incoming signals on some channels. By observing the S/RF Meter the signal strength of these signals may be noted.

NOTE: A signal strength of 9 indicates a strong local signal; a signal strength of 2 or 3 indicates a weak signal or a distant station.

TRANSMITTER OPERATION

1. After selecting a clear channel or waiting for an opportunity to "break-in", press the PRESS-TO-TALK switch on the microphone and observe that the S/RF Meter indicates a signal is being sent out.
2. While holding the PRESS-TO-TALK switch, hold the microphone at approximately 45 degree angle and about 2 inches from the mouth. Speak distinctly and clearly into the microphone when making a two-way communication over the air. When calling a mobile unit, for an example, there is a good chance the driver will be more interested in his driving than listening to the CB radio, therefore, it is important that your message is understood clearly.
3. When calling another station, do not speak for more than two minutes without making a break and listen for the reply. Never break-in on another conversation unless it is an emergency.

CRYSTAL SYNTHESIS

Your RENEGADE is equipped with crystals for all 23 transmit and receive frequencies assigned to the Citizens Radio Service.

Frequency selection is determined by the "synthesis" technique; that is 12 crystal frequencies are selectively mixed to provide 23 transmit and receive frequencies.

SERVICE AND MAINTENANCE

THE FCC RULES AND REGULATIONS, PART 95, REQUIRES THAT ONLY PERSONS POSSESSING A VALID FIRST OR SECOND CLASS RADIOTELEPHONE OPERATOR'S LICENSE ARE ALLOWED TO MAKE ADJUSTMENTS OR REPAIRS TO THE TRANSMITTING SECTION OF THIS TRANSCEIVER.

MODIFICATION TO THE TRANSMITTER SECTION IN ANY WAY NOT RECOMMENDED BY FANON/COURIER CORPORATION IS ILLEGAL. MODIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, SUBSTITUTION OF CRYSTALS, REPLACEMENT OF COMPONENT PARTS NOT OF THE SAME ELECTRICAL RATING, ADDITION OF ANY COMPONENT PART(S), CONNECTIONS, DEVICE OR ACCESSORY INTERNALLY OR EXTERNALLY TO THE TRANSMITTER.

Should your unit require service for any reason, please refer to the enclosed Authorized Warranty Station List for assistance and location in your area.

Troubleshooting assistance may be obtained by writing to FANON/COURIER Corporation, 990 South Fair Oaks Avenue, Pasadena, California 91105. Address your inquiry to the attention of the Customer Service Department. Always state the Model, Serial Number and Issue of Schematic Diagram to which the unit was built. The schematic issue letter may be found in the lower right hand corner of the schematic or from the legend on the printed circuit board.

When ordering parts, refer to the part number listed in the Replacement Parts List and give a description of the part. Mail to the attention of Parts Department.

SPECIAL REPLACEMENT PARTS LIST

SYMBOL	DESCRIPTION	PART NUMBER
SOLID STATE DEVICES		
TR1,2,13	Transistor, 2SC1908-4	2051-01
TR3,4,5,10, 11,12	" 2SC1908-3	2051-02
TR6,14	" 2SC631A-8	2051-03
TR7	" 2SC1474-2-3	2051-04
TR8,9	" 2SC1061 (B)	2051-05
TR18	" 2SC756-2-4	1080-05
TR19	" 2SC1126 (A)	2051-06
TR20	" 2SC1908-4	2051-07
D1,2,6, 7,13	Diode, IN4148	2019-45
D3,4,5, 10,11,12	" IN60	294-42-9
D8	" IN960 Zener	2051-08
D9,14	" IN4002	2010-02

CRYSTALS

23.290 MHz	1080-153
23.340 "	1080-154
23.390 "	1080-155
23.440 "	1080-156
23.490 "	1080-157
23.540 "	1080-158
14.950 "	1080-159
14.960 "	1080-160
14.970 "	1080-161
14.990 "	1080-162
11.275 "	1080-163
11.730 "	1080-164

COILS AND TRANSFORMERS

T1	Coil, RF 27 MHz 10mm Yellow	1080-11
T2	" RF 27 MHz 10mm Yellow	1080-12
T3	" IFT 11.25 MHz 10mm Black	1080-13
T4	" IFT 11.25 MHz 10mm Black	1080-14
T5	" IFT 455 kHz 10mm Yellow	1080-15
T6,7	" IFT 455 kHz 10mm White	1080-16

SPECIAL REPLACEMENT PARTS LIST (Continued)

SYMBOL	DESCRIPTION	PART NUMBER
COILS AND TRANSFORMERS (Continued)		
T8	Coil, IFT 455 kHz 10mm Black	1080-17
T9	Input Transformer EI-19	2051-34
T10	Output Transformer EI-28	2051-35
T11	Coil, Osc. 10mm Green	1080-18
T12,13	" RF Filter	1080-19
T14	" RF Filter	1080-139
T15,16	" RF Filter	1043-22
T17	" RF Filter	1043-23
L1	" Trap	1080-25
L2,3,11	Value Fix Inductor	1080-27
L4	A.F. Choke EI-19	1080-28
L5,6	RF Choke	1080-26
L7,13	RF Coil, Green	2051-37
L8	Ant. Coupling Coil	1043-26
L9	Ant. Coupling Coil Orange	1045-24
L10	RF Tank Coil	1080-22
L12	RF Tank Coil Red	1080-23
L14	Inductor 1mH	CH-4
CONTROLS		
VR1,6,7	Preset Resistor 30K ohm	1079-19
VR3	" " 50K "	1080-32
VR5	" " 500 "	2051-38
VR10	" " 10K "	2052-33
VR2	Squelch Control 50K (B)	1080-31
VR4	Volume Control 10K (A)	1080-29
S2	Channel Selector Switch	1080-63
S3,4	Slide Switch 2P 2T	1080-136
FILTERS		
	Ceramic Filter LF-B6 455 kHz	1079-12
CAPACITORS		
C11	Ceramic, 1pF ±0.5pF	2051-17
C19,45,46	" 2pF "	2051-18
	" 3pF "	1014-92

SPECIAL REPLACEMENT PARTS LIST (Continued)

SYMBOL	DESCRIPTION	PART NUMBER
CAPACITORS (Continued)		
C4,17,47, 74,76	Ceramic, 3pF ±0.5pF	1014-92
C40,75	" 5pF "	1014-94
C49	" 10pF ±10%	1080-44
C68,113	" 25pF "	1080-45
C1	" 33pF "	1080-46
C43,67, 98,102	" 50pF "	160-86-9
C23,39,84	" 100pF "	1080-48
C8,99	" 150pF "	1042-156
C48,62,65, 87	" 220pF "	1080-49
C94	" 250pF "	1080-50
C50,61,64, 120	" 500pF "	160-96-9
C14	" 500pF " N1200	2051-19
C90	" 33pF " NPO	2051-20
C85	" 47pF " "	2051-21
C70,73,95	" 100pF " "	2051-22
C71	" 150pF " "	2051-23
C59	" .001mfd ±20%	2051-24
C26	" .002mfd "	2051-25
C31,105, 106,117	" .005mfd "	2051-26
C2,3,5,6, 9,24,41,42, 44,51,54, 63,66,69, 72,78,83, 89,91,101, 109,111,114, 116,118,119	" .01mfd +80%(-)20%	2051-27
C10,15,18, 81,82,86, 88,92,93, 96,97,100, 103	" .04mfd " "	2051-28
C77	" .1mfd " "	2051-29

SPECIAL REPLACEMENT PARTS LIST (Continued)

SYMBOL	DESCRIPTION	PART NUMBER
CAPACITORS (Continued)		
C27	Electro-lytic .47mfd 16V	1080-133
C28,29,52, 107	" 1mfd "	170-101
C25,32,53, 56	" 10mfd 10V	1080-58
C79,115	" 10mfd 16V	1042-129
C108	" 33mfd "	170-48-9
C22	" 47mfd 10V	1080-59
C30,34,55	" 100mfd "	1080-60
C35	" 100mfd 16V	1042-127
C80	" 470mfd "	1042-124
C7,12,13, 20,36,37, 58,153	Mylar .01mfd ±20%	2051-30
C57	" .02mfd "	2051-31
C16,21	" .04mfd "	2051-32
C33,38,60	" .1mfd "	2051-33
MISCELLANEOUS		
F1	Fuse 1.5 Amp.	1080-67
	Knob, Channel Selector	1080-77
	Knob, Volume	1080-78
	Microphone Assy.	1080-146
	Mounting Bracket	2041-32
	Power Cord	1001-48
PL1,2	Pilot Lamp 14V 50mA	1079-54
R95	Speaker, 3W 16 ohm	1080-62
M	S/RF Meter 4A-26	1080-65

CITIZENS BAND "IO-CODE"

10-1	Signal weak
10-2	Signal good
10-3	Stop transmitting
10-4	Affirmative
10-5	Relay (to)
10-6	Busy
10-7	Out of service
10-8	In service-subject to call
10-9	Say again
10-10	Negative
10-11	On duty
10-12	Stand by (stop)
10-13	Existing conditions
10-14	Message-information
10-15	Message-delivered
10-16	Reply to message
10-17	Enroute
10-18	Urgent
10-19	(In) contact
10-20	Location
10-21	Call (--) by phone
10-22	Disregard
10-23	Arrived at scene
10-24	Assignment completed
10-25	Report to (meet)
10-26	Estimated arrival time
10-27	License/permit information
10-28	Ownership information
10-29	Records check
10-30	Danger/caution
10-31	Pick up
10-32	Units needed
10-33	Help me quick
10-34	Time

NOTES

NOTES

LIMITED WARRANTY

FANON/COURIER CORPORATION warrants each new electronic 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 (at the Company's option) 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 distributor from whom purchased, or authorized service station, intact, for our examination, with all transportation charges prepaid to our factory, within 90 days from the date of sale to original purchaser and provided that such examination discloses, in our judgment, that it is thus defective.

Written authorization must be obtained before any merchandise is returned to the factory.

This warranty does not extend to any of our electronic 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 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.

This warranty is in lieu of all 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 electronic products.

FANON/COURIER CORPORATION



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