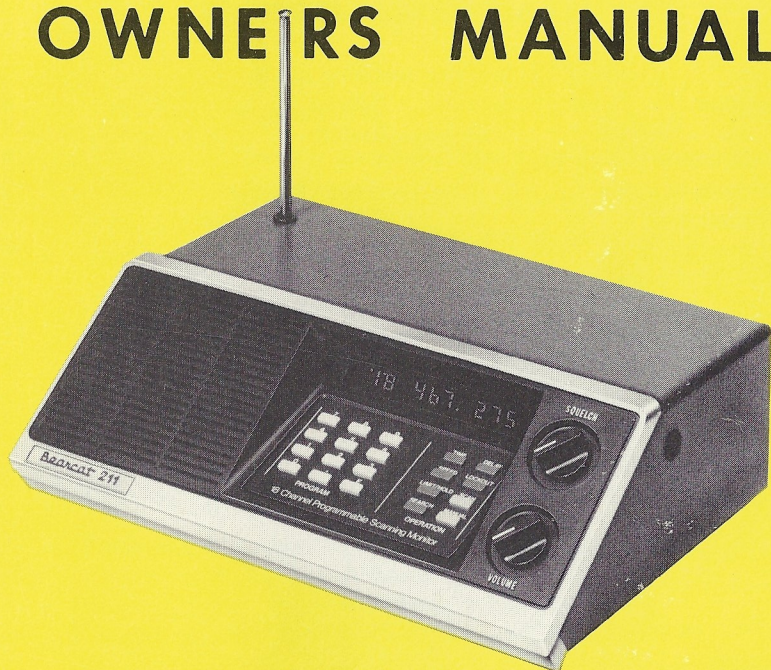


OWNERS MANUAL



Beancat[®] 211

FIVE BAND SCANNING RECEIVER

Low Band	32-50 MHz	UHF Band	450-470 MHz
Amateur	146-148 MHz	UHF (T) Band	470-512 MHz
High Band	148-174 MHz	Plus: UHF Gov't	420-450 MHz

MONITORS VHF and UHF FM RADIO SERVICES

Hams	Utility services	Special Emergency
Police	Industry	Disaster Relief
Government	Business	School Buses
Forestry	Hospitals	Transportation
Conservation	Ambulances	Taxicabs
Mobile telephones	Automobile Emergency	Railroads
Press	Marine	Paging
Fire	Manufacturers	Trucks

MADE IN CUMBERLAND, IND. U.S.A. UNDER ONE OR MORE OF THE FOLLOWING PATENTS:
3,961,261 3,962,644 4,027,251 4,092,594 4,100,497 4,123,715 and patents pending

Electra ELECTRA
COMPANY

DIVISION OF MASCO CORPORATION OF INDIANA
CUMBERLAND, INDIANA 46229

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TABLE OF CONTENTS

Radio Services	Front Cover	Delay	6
Table of Contents	1	Search	7
Technical Specifications	2	Time	8
Safety Precautions	2	Mobile Installation	8
General Description	3	External Antenna	9
Operating Instructions	3	External Speaker	9
Front Panel Controls	3	Battery	9
Keyboard	4	User Hints	10
Display Features	4	Service	11
Programming Frequencies	5	Birdies	11
Direct Channel Access	5	Frequency Allocations	12
Lockout	6		
Speed	6	Warranty	Back Cover



**UNDERWRITERS
LABORATORIES
LISTED**

**Certified in accordance with FCC
Rules and Regulations Part 15.63
as of date of manufacture.**

CAUTION
TO PREVENT FIRE OR SHOCK
HAZARD, DO NOT EXPOSE THIS
APPLIANCE TO RAIN
OR MOISTURE.

For future reference, write the model number and serial number below.
You will find them printed on the back of your radio.

Model No. _____ Serial No. _____

Purchased from: _____ Date _____

TECHNICAL SPECIFICATIONS*

Size:	10 5/8"W x 3 1/2"H x 8"D
Weight:	5 lbs.
Cabinet:	Vinyl-clad steel or painted textured steel
Power:	117Vac 20W, 13.8Vdc, 9W
Antenna:	Telescoping antenna (supplied) Connector provided for external antenna (50-70 ohms)
Clock:	LED display of hours, minutes, seconds. Keyboard resetable. Does not operate on dc.
RF Sensitivity:	0.4 microvolts 32-174MHz 0.8 microvolts 420-512MHz (\pm 5KHz deviation 12db SINAD)
IF Selectivity:	-60db @ \pm 25KHz
Frequency Coverage:	Low Band 32 - 50MHz Amateur 146 - 148MHz High Band 148 - 174MHz UHF Band 420.450 - 470MHz UHF-T Band 470.0125 - 512.0125MHz
Scan/Search Speed:	Selectable 4 or 11 channels per second
Audio Output:	2 Watts RMS, 8 ohms, 10% THD (max.)
Front Panel Controls:	Volume (on/off) Squelch (Auto Squelch) Display Keyboard Speaker
Rear Apron Connectors:	12Vdc External Antenna External Speaker Jack

*Specifications are typical and subject to change without notice.

SAFETY PRECAUTIONS

Although your Bearcat 211 is listed with Underwriters Laboratories for complying with standards of safety, a review of common precautions is recommended.

- Do not operate this unit if it is wet.
- Never touch an electrical appliance while standing in water or on wet ground.
- Do not tamper with the internal circuitry.
- Do not connect or disconnect the rear-apron power connector when the line cord is plugged into an ac receptacle.

GENERAL DESCRIPTION

The Bearcat 211 uses a microprocessor to make scanning easy. Its versatile keyboard is divided into a Program Section that will allow you to command any frequencies (VHF/UHF) on its 18 channels; and an Operation Section that controls scan, lockout of unwanted channels, direct channel access, automatic search, selectable speed control for both scan and search, and even a 12-hour time clock.

The solid state circuits include 3 custom designed integrated circuits that give it unique features. It operates on either 117Vac or 12Vdc.

OPERATING INSTRUCTIONS

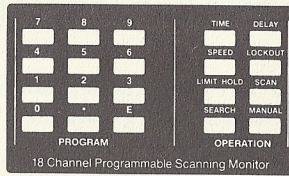
Read the following instructions carefully and enjoy listening to your scanner in minutes.

1. Unpack the unit from the carton (save the carton for possible future use). Check your scanner for shipping damage; if damage has occurred, contact your dealer immediately.
2. Install 9-volt battery. See picture on bottom of radio or battery details page 9.
3. Attach the power cord into a 117Vac, 60Hz outlet.
4. Insert the threaded end of the antenna into the hole on the top of the scanner. Screw it finger-tight and extend it fully.
5. Turn your scanner ON by turning the volume control clockwise 1/3 of its rotation.
6. Rotate the squelch control clockwise until you hear background noise; then turn it back counterclockwise until the noise disappears.
7. You are ready to program frequencies in your scanner. Press "Manual" to stop scanning or other initial condition.
8. To insure proper lock up, on a particular frequency, the previous channel must have a legitimate frequency programmed into it.

FRONT PANEL CONTROLS

1. ON/OFF-Volume: Turns the receiver ON and OFF and adjusts the sound level.
2. Squelch: Allows the radio to scan or search for signals, and keeps the radio quiet unless a signal is being received.
3. Auto Squelch: A convenient, fixed squelch setting.
4. Keyboard: Simply punch in the desired frequencies you wish to monitor. It also controls automatic scan or manual channel select, search limits, starts the radio searching, programs the delay and lockout features into any desired channel including control and display of the time clock.

KEYBOARD



PROGRAM KEYS:

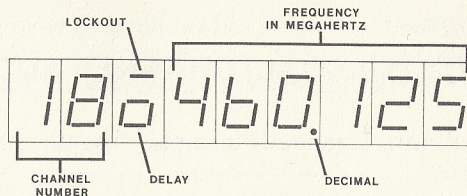
Numeric keys **0** thru **9** and decimal point **.** are used to program the frequencies into your scanner. **E** enters frequencies into scan channels.

OPERATION KEYS:

- Scan** Starts scan of all displayed channels.
- Manual** Stops scan; single steps your scanner through all 18 channels.
- Lockout** Locks out displayed channel during scan only.
- Delay** Delays 2 seconds to receive a reply transmission when on the same channel.
- Search** Starts searching for signals between two selected frequencies. Restarts after "hold".
- Limit/Hold** Enters two selected frequencies as upper and lower limits; also stops search.
- Speed** Selects scan or search rates of 4 or 11 channels per second.
- Time** Displays "time" when radio is ON or OFF.

DISPLAY FEATURES

The display consists of 9 spaces or "windows" in which lighted characters indicate the programming commands of the keyboard and scanning status.



CHANNEL 18 is indicated in first and second space.

DELAY is shown in third space. In manual and in time/scanning mode.

LOCKOUT is indicated in third space. In manual and in normal scan mode.

FREQUENCY 460.125MHz is shown in the 4th thru 9th spaces.

PROGRAMMING FREQUENCIES INTO THE RECEIVER

You can program your radio to scan eighteen different frequencies, one in each of the eighteen channels.

EXAMPLES

To program 162.55MHz in desired channel (example channel 14):

PRESS:	<input type="text" value="Manual"/>	step to desired channel 14
PRESS:	<input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="."/> <input type="text" value="5"/> <input type="text" value="5"/> <input type="text" value="E"/>	
READ:	1 4	162.550
PRESS:	<input type="text" value="Manual"/>	steps to next channel (15)

To program 471.1375MHz in next channel (15)

PRESS:	<input type="text" value="4"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="."/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="E"/>	
READ:	1 5	471.137 (rounded off to 6 places)

If you attempt to program a frequency that is outside the tuning range of the receiver, "Error" appears on the display. If this happens, simply enter a new frequency. "Error" may also be displayed when programming in the time mode.

If you made a mistake programming a frequency on a channel:

PRESS:	<input type="text" value="E"/>	Then program correct frequency
--------	--------------------------------	--------------------------------

DIRECT (MANUAL) CHANNEL ACCESS

To display any channel manually (example channel 14) when scanning is stopped, just:

PRESS:	<input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="Manual"/>	
READ:	1 4	in first and second spaces followed by frequency

If you want to advance from channel 14 to 15 just press then read 15 followed by the frequency.

LOCKOUT

You may wish to lock out certain frequencies and skip over them when scanning. To program Lockout on a channel (example 5) first select that channel manually.

PRESS:

PRESS:

READ: 5 - minus sign appears in the third space of display

To remove Lockout

PRESS: again and the minus sign will disappear

Note: If all channels are locked out "Error" will be displayed. This may be eliminated by removing lockout from one channel.

SPEED

To scan slowly (4 channels per second)

PRESS:

To resume fast scan (11 channels per second)

PRESS:

DELAY

Your scanner may be programmed to pause for about two seconds after a transmission on any selected channel. This is useful when both sides of a conversation are transmitted on the same frequency.

For Delay on a selected channel

PRESS: step to that channel

PRESS: The symbol appears on this channel

To remove Delay

PRESS: The symbol will disappear from this channel.

SEARCH

To Search for unknown signals between two frequencies in the same band, manually step to the channel you desire to use, (example Channel 8), then, for example, to Search from 146.500 to 146.950MHz:

PRESS: step to Channel 8
PRESS:
READ: 8 146.500 (One limit is entered)
PRESS:
READ: 146.950 (Other limit is entered)
PRESS:

When an active channel is found, the Search stops and the frequency is displayed.

To stay on that frequency

PRESS:

To resume searching without changing Search limits

PRESS:

To store that frequency in that channel

PRESS: Search limits are lost when you leave the search mode.*

Note that the last frequency displayed during search remains in the channel when search is discontinued on that channel. If "Error" appears in place of a frequency:

1. Search limits were not in the same band, or
2. An out of band frequency was attempted.

* It may be desirable to use and write down active frequencies which may be programmed after searching is done. This method will maintain search limits in memory.

TIME

To display time from the 12 hour clock, go to the Manual Mode first, then:

PRESS: The display shows hours, minutes and seconds. If power has been interrupted an "E" will appear and the clock will reset to zero and count for one hour before "E" is removed. The clock should be reset.

To set the clock to 9:02:03 when in the TIME mode

PRESS: and read 9.02.03

To remove time from the display:

PRESS:

MOBILE INSTALLATION

In some areas, unauthorized mobile police receivers are unlawful; be sure to check with local authorities before installing your unit.

Your Bearcat 211 may be installed in any vehicle or boat which has a 12-volt, negative-ground electrical system.

A mounting bracket has been provided for your convenience.

1. Using the mobile mounting bracket, select a location under the dash to hold the scanner in the desired position.
2. Mark and drill two mounting holes using a 7/64 drill bit; secure the bracket with two #6 self-tapping screws (provided).
3. Insert the two plastic T-washers (provided) into the bracket holes, flanges inward, and secure the scanner in place with the two mounting bolts and washers (provided).
4. Connect the dc power cable to the insulated terminal on the rear apron of the receiver; attach the other end of the cable to the 12V battery.

Note: The receiver should be connected to an uninterrupted 12V source in the car in order to hold channels in memory.

Be sure the radio cabinet is well-grounded to the car metal through the mounting frame; otherwise, connect a piece of wire from the ground screw on the rear apron of the radio to the metal body of the vehicle.

5. Connect a mobile monitor antenna such as the Bearcat A-60 to the scanner. If necessary, the automotive antenna, extended about 18 inches, can be used with fair results.

EXTERNAL ANTENNA

The telescoping antenna provided with your Bearcat 211 is recommended for most monitoring. For weak-signal reception, or for electrically-noisy locations, the Bearcat A-70 external antenna is readily available. Always use coaxial cable for lead-in. RG-58U is recommended for lengths of up to 100 feet.

Your Bearcat 211 is equipped with an automotive type of external antenna jack, and a mating plug (supplied) must be used.

An outside antenna need only be high enough to clear surrounding obstructions. Above all, **STAY AWAY FROM POWER LINES!** You may be killed upon contact of the antenna with a power line.

EXTERNAL SPEAKER

Although the internal speaker of the scanner will provide ample room volume, in some applications an external speaker such as the Bearcat B-45 may be desired. The external speaker should be plugged into the rear-apron jack which will cut off the internal scanner speaker.

BATTERY

IMPORTANT: ALKALINE BATTERY LIFE IN THIS RADIO IS APPROXIMATELY 24 HOURS IF THE LINE CORD IS LEFT UNPLUGGED OR AC SOCKET POWER IS TURNED OFF.

The purpose of the battery in the radio is to maintain frequencies in the memory in the event of a power interruption or if the radio is to be unplugged during a brief period of time while the radio is being moved. Under these operating conditions, battery life is approximately ONE YEAR. While the receiver is plugged into 117Vac, the battery is not losing its charge and memory is activated by the power supply.

Your scanner is **not** supplied with a battery. It is recommended to install a 9-volt, heavy-duty or alkaline battery before you start programming and while the set is unplugged.

The battery compartment is held with two screws. Remove the screws and pull the compartment out of the receiver. Insert the battery into the holder and press it onto the snap connector. Reassemble the holder and secure it with the screws. (See picture on the bottom of the receiver.)

A partial list of available batteries is:

ALKALINE BATTERIES

Eveready #522DB
Panasonic #6AM6
Mallory #MN1604

HEAVY-DUTY BATTERIES

Eveready #222
Burgess #2MN6

USER HINTS

Your scanner is a versatile instrument. The following operating hints will help you use all its features:

1. Always remember when programming, the **E** key must be depressed in order to enter the frequency desired.
2. Never turn the radio OFF by pulling the AC cord from the wall socket. Always turn the ON/OFF volume control OFF first, then disconnect the line cord when you must move the radio. If the radio is to be left disconnected for more than a few hours the 9V battery should be removed.
3. When memory is lost, it is corrected simply by reprogramming the desired frequencies.
4. If the keyboard or display is not working properly, a severe power line transient may have caused the control circuit to lock up. To correct this condition, it may be necessary to turn the radio off, disconnect AC power, disconnect battery and then to reconnect the battery, AC power, and turn the radio on.
5. When searching, a strong signal may cause the scanner to "lock-on" just prior to the actual frequency. (e.g. weather may be received on 162.545 rather than the correct frequency 162.550). This is easily corrected by pressing the Search button again.
6. This receiver has high noise immunity because of the quieting squelch system. However, in cases of strong interfering noise or signals, it may be desirable to reduce the length of the antenna to reduce noise pick-up below a critical level. This may be very effective in medium and strong signal areas.
7. When programming, be sure to press each key firmly in the center — this assures registering each desired number and avoids errors.
8. When moving or shipping the radio, remove the 9V battery and the telescoping antenna to avoid damage to it or to the internal circuit assemblies.

SERVICE

If your scanner does not seem to be functioning properly:

1. Refer to operating instructions to confirm that the proper procedure for operation has been followed.
2. Be sure the radio is plugged into a working ac outlet.
3. Is it turned ON?
4. Check that the telescoping antenna is properly installed.
5. If memory is lost after a power failure, check for a dead battery.
6. If "Error" appears on readout, you have entered an invalid frequency.
7. If it is then determined that the receiver requires servicing, refer to the warranty instructions enclosed with your unit for the proper repair facility.
8. When preparing the receiver for shipment, remove the telescoping antenna, 9V battery, and ac power cord.
9. Pack the unit in its original packing carton and include a brief, concise description of the observed problem you are having along with your name, address, phone number and a copy of your purchase receipt.

BIRDIES

All scanners using frequency synthesized circuits generate signals called "Birdies". Those signals may interfere with the search frequencies on your scanner.

If during Search the receiver encounters a "birdie", the scan will most likely stop. In order to resume searching just press the Search button.

The following is a list of "birdie" frequencies:

LOW BAND VHF	HIGH BAND VHF		UHF & T BAND
32.400 MHz	146.500 MHz	158.600 MHz	455.625 MHz
36.400	147.400	163.800	463.725
39.000	148.200	166.580	470.900
41.595	149.200	169.000	471.000
41.600	150.800	172.205	481.700
41.605	153.400	172.560	501.450
44.200	153.800		502.200
46.800	154.570		504.600
49.400	154.600		

FREQUENCY ALLOCATIONS

Because of the short-range nature of VHF and UHF FM communications, frequencies allocated to services in one geographical location will not be heard more than 25-50 miles distance (an exception is "skip", when signals bounce back to earth from the ionosphere). For this reason, a separate frequency directory must be compiled for each monitoring area.

Most standard frequency separations and classifications are regulated in the United States by the FCC.

Block allocations . . . and even some discrete frequencies . . . covered by your scanner are shown below. These are not necessarily active in your area.

ABBREVIATIONS

Police	P.D.	33.42 - 33.98	F.D.
State Police	St. P.D.	34.00 - 35.00	Govt.
Fire Department	F.D.	35.02 - 35.18	Bus.
Special Emergency	Sp. Emer.	35.22 - 35.66	Mob. Tel. & Page
Highway Maintenance	Hwy.	35.70 - 35.73	Bus.
Forestry-Conservation	Fors. Cons.	35.74 - 35.98	Sp. Ind. & Bus.
Government	Govt.	36.00 - 37.00	Govt.
Local Government	L. Govt.	37.02 - 37.44	P.D. & L. Govt
Business Radio	Bus.	37.45 - 37.86	Power
Manufacturers	Mfg.	37.90 - 37.98	Hwy. & Sp. Emer
Broadcast Remote	BC R.	38.00 - 39.00	Govt.
Mobile Telephone	Mob. Tel.	39.02 - 39.98	P.D., L. Govt.
Radio Paging	Page.	40.00 - 42.00	Govt.
Special Industrial	Sp. Ind.	42.02 - 42.94	St. P.D.
Motion Picture	Mot. P.	42.96 - 43.18	Sp. Ind. & Bus.
Power Utilities	Power	43.22 - 43.68	Mob. Tel. Page
Petroleum	Pet.	43.70 - 44.60	Trucks, Bus.
Forest Products	For. Prod.	44.62 - 45.06	St. P.D., For. Cons.
Railroad	R.R.	45.08 - 45.66	P.D.
Automobile Emergency	Auto Emer.	45.68 - 46.04	P.D. Hwy., Sp. Emer.
Red Cross		46.06 - 46.50	F.D.
U.S. Weather Bureau	U.S.W.B.	46.52 - 46.58	L. Govt.
U.S. Coastal & Geodetic Survey	U.S.C.G.S.	46.60 - 47.00	Govt.
National Parks	Nat. Pk.	47.02 - 47.40	St. Hwy.
Indian Affairs		47.42 -	Red Cross
Bureau of Reclamation	Bur. Recl.	47.44 - 47.68	Sp. Ind., Sp. Emer.
Department of Agriculture & Forestry	Agr. & For.	47.70 - 48.54	Power
Land Transportation	Land Tr.	48.56 - 49.58	For. Prod., Pet.
		49.60 - 50.00	Govt.

146 - 174MHz Band

		146.000 - 148.000	HAM
		148.010 -	MARS
		148.150 -	CAP
30-50MHz Band		148.155 - 148.250	MIL
		148.290 - 150.750	USN
30.01 - 30.56	Govt.	150.815 - 150.995	Bus.
30.56 - 30.62	Sp. Ind.	151.010 - 151.130	Hwy.
30.66 - 31.24	Ind. (Pet. For. Cons. Bus., For. Prod.)	151.145 - 151.475	For. Cons.
		151.505 - 151.595	Sp. Ind.
31.26 - 31.98	Sp. Ind., For. Cons.	151.625 - 151.955	Bus.
32.00 - 33.00	Govt.	151.985 - 152.240	Mob. Tel. (RCC)
33.02 - 33.16	Hwy., Sp. Emer., Bus.	152.270 - 152.450	Taxi
		152.480 - 152.840	Mob. Tel. Page
33.18 - 33.38	Pet.	152.870 - 153.020	Sp. Ind. Mot. P

153.050 - 153.440	Pet., For. Prod.
153.470 - 153.710	Power
153.740 - 154.115	L. Govt.
154.130 - 154.445	F.D.
154.450 - 154.600	Sp. Ind., Pet., Bus.
154.655 - 155.145	P.D., L. Govt., St. P.D.
155.160 - 155.400	Sp. Emer., P.D.
156.045 - 156.240	Hwy., P.D.
156.275 - 157.425	Marine
157.456 - 157.500	Auto Emer.
157.530 - 157.710	Taxi
157.740 - 158.100	Mob. Tel., Page
158.130 - 158.460	Power, For. Prod. Pet.
158.490 - 158.700	Mob. Tel. (RCC)
158.730 - 158.970	P.D., L. Govt.
158.985 - 159.210	P.D., Hwy
159.225 - 159.465	For. Cons.
159.510 - 160.200	Trucks
160.215 - 161.565	R.R.
161.600 - 162.000	Marine
162.026 - 162.175	Bur. Recl.
162.400	U.S.W.B.
162.475	U.S.W.B.
162.550	U.S.W.B.
163.125	Indian Affairs
163.175	Bur. Recl.
163.275	U.S.W.B.
163.388 - 163.538	MIL
163.825 - 163.975	Govt.
164.025 - 164.075	U.S.C.G.S.
164.175 - 165.188	Bur. Recl., Nat. Pk., Govt., Agr. & For.
169.300	F.A.A.
169.450 - 169.725	Ind., Data
170.150	F.D., BC. R.
170.200 - 170.220	U.S.C.G.S.
170.225 - 170.325	Ind., Land Tr.
170.425 - 170.575	For. Cons.
170.975 - 171.250	Govt. Ind., Land Tr.
171.388 - 172.725	Bur. Recl., For. Cons., Ind., Dept. Ag. & For., Govt.
172.775	Nat. Pk.
173.025	U.S.W.B.
173.075	U.S.C.G.S.
173.204	Press Relay, Mot. P., Pet., Bur. Recl.
420-512MHz Band	
420.000 - 450.000	HAM
451.050 - 450.950	Remote Br.
451.000 - 451.150	Util.
451.175 - 451.750	For. Prod., Pet., Pwr., Tel. Maint.
451.775 - 451.975	Spec. Ind.
452.000 - 452.500	Taxi, Mot. Carrier, R.R.
452.525 - 452.600	Auto Club
452.625 - 452.975	Motor Carr., R.R
453.000 - 453.975	L. Govt., P.D., F.D.
454.000 - 454.975	
454.000 - 454.975	Mob. Tel.
455.000 - 455.975	Remote Br.
456.000 - 458.975	P.D., F.D., Ind., LandTr.
459.000 - 459.975	Domestic Public
460.000 - 460.625	P.D., F.D.
460.650 - 462.175	Bus.
462.000 - 462.450	Taxi

462.550 - 462.725	C.B.
462.750 - 462.975	Bus.
463.000 - 463.175	Med.
463.200 - 464.975	Bus.
465.000 - 467.500	P.D., F.D., Ind., Lan. Tr.
467.750 - 467.925	Bus.
467.5375 - 467.7375	C.B.
467.7375 - 469.975	Pub. Safety, Ind., Land. Tr.

In some large metropolitan areas, 1 or 2 channels of the "TV Band" (470MHz to 512MHz) are used for communication purposes. Each T.V. station (channels 14 through 20) utilizes 6MHz:

470-476 T.V.	Channel 14
476-482 T.V.	Channel 15
482-488 T.V.	Channel 16
488-494 T.V.	Channel 17
494-500 T.V.	Channel 18
500-506 T.V.	Channel 19
506-512 T.V.	Channel 20

Where these frequencies are assigned for communication purposes, in lieu of a T.V. station, the 6MHz segment is allocated as shown here for channel 14 (470 - 476MHz0).

470.0125 - 470.2875	Domestic Public (Base, Mob.)
470.3125 - 471.1375	Public Safety
471.1625 - 471.2875	Reserve Pool A
471.3125 - 471.4125	Pwr., Tel. Maint.
471.4375 - 471.6375	Spec. Ind.
471.6625 - 471.7875	Reserve Pool B
471.8125 - 472.3375	Bus.
472.3625 - 472.4375	Taxi
472.4675 - 472.7875	R.R., Motor Carrier, Auto Emer.
472.8125 - 472.987	Pet., For. Prod., Mfg
473.0125 - 473.2875	Domestic Public
473.3125 - 474.1375	Public Safety
474.1625 - 474.2875	Reserve Pool A
474.3125 - 474.4125	Pwr., Tel. Maint.
474.4375 - 474.6375	Spec. Ind. (Mobile)
474.6625 - 474.7875	Reserve Pool B
474.8125 - 475.3375	Bus.
475.3625 - 475.4375	Taxi
475.4625 - 475.7875	R.R., Motor Carrier, Auto Emer.
475.8125 - 475.9875	Pet., For. Prod., Mfg.

The same allocation pattern is repeated for each of the TV channels 14 thru 20. For example, if channel 17 is assigned for communications in your area, "Taxi" would be 490.3625 to 490.4375 and 493.4375 (corresponding to 472.3625 to 472.4375 and 475.3625 to 475.4375 above). Note that in the example, we added three TV channels (18MHz to the channel 14 frequencies.

LIMITED WARRANTY

This Bearcat® receiver is warranted to the original consumer purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase as shown on purchaser's receipt.

Electra will repair or replace, AT ITS OPTION AND FREE OF CHARGE, during the warranty period, any part which proves defective in material or workmanship under normal installation, use, and service, provided the receiver is returned to our factory (address below) or to one of our authorized Service Centers (list enclosed), TRANSPORTATION CHARGES PREPAID. Receivers returned to our factory or authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture as indicated by the serial number on your unit.

Any damage to this receiver as a result of misuse, abuse, neglect, accident, improper installation, destruction or alteration of the serial number, repair or alteration outside our factory or Service Center, or any use violative of instructions furnished by us WILL VOID THE WARRANTY. THIS WARRANTY IS LIMITED TO DEFECTIVE PARTS REPAIR AND/OR REPLACEMENT ONLY AND EXCLUDES ANY INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH.

Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. In the event of a problem with warranty service or performance, you may be able to go to a small claims court, or a federal district court.

ELECTRA COMPANY
Division of Masco Corporation of Indiana
300 South on East County Line Road
Cumberland, Indiana 46229