

OWNER'S MANUAL

1-800-297-1023
Compass Park Fla



Bearcat® 260

EIGHT BAND SCANNING RECEIVER

Low Band	Federal Government Land Mobile
Military Land Mobile	70 - cm Amateur
2 Meter Amateur	UHF Band
Hi Band	UHF (T) Band

MONITORS VHF AND UHF RADIO SERVICES

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

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS

Bearcat products have been acquired by

uniden®
Bearcat®

Uniden Corporation of America
Personal Communications Division
6345 Castleway Court
Indianapolis, Indiana 46250

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**UNDERWRITERS
LABORATORIES
LISTED**

Certified in accordance with
FCC Rules and Regulations
Part 15.63 as of date of manu-
facture.

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:** 6½"W x 5"H x 7½"D
- Weight:** 4½ lbs.
- Power:** 13.8 Vdc or 117 Vac, 60 Hz into AC Adaptor #AD260 or 15-06T
- Battery:** Standard 9-Volt (alkaline recommended)
- Antenna:** Telescoping whip (supplied). Connector provided for external 50-70 OHM antenna.
- RF Sensitivity:**
- | Bands | Minimum | Typical |
|-------------|---------|---------|
| 30-50 MHz | 0.8µV | 0.3µV |
| 138-174 MHz | 0.8µV | 0.3µV |
| 406-512 MHz | 1.0µV | 0.5µV |
- (EIA method for 12 dB SINAD)
- Audio Output:** 3.0 Watts R.M.S.
- Speaker Size:** 3" x 5" (internal)
- Frequency Coverage:**
- 30 - 50 MHz Low Band
 - 138 - 144 MHz Military Land Mobile
 - 144 - 148 MHz 2-Meter Amateur
 - 148 - 174 MHz High Band
 - 406 - 420 MHz Federal Gov't Land Mobile
 - 420 - 450 MHz 70-cm Amateur
 - 450 - 470 MHz UHF Band
 - 470 - 512 MHz UHF-T Band
- Channel Capacity:** 16
- Priority:** Channel 1 sampled every 2 seconds
- Delay:** 2 seconds
- Search:** Keyboard-programmable limits within any one continuous frequency band (i.e. 30 - 50, 138 - 174, 406 - 512 MHz)
- Controls:** Keyboard, volume, squelch and front panel illumination controls
- Display:** Vacuum fluorescent. Keyboard back lit by electroluminescent panel.
- Rear Apron Connectors:** Card edge connector for DC power and user provided external speaker
R.F. Connector
- Vibration Rating:** Meets Military Standard 810c, Curve y

SPECIFICATIONS ARE TYPICAL AND MAY CHANGE
WITHOUT NOTICE.

Unpacking

Carefully remove all units from the shipping carton. If there is any visible damage, DO NOT attempt to operate the equipment. Notify your dealer or shipping carrier immediately.

Keep the shipping carton and packing materials, as well as all printed material. The carton serves as an excellent method to transport the Bearcat 260 to other locations.

The following parts are included in this carton:

DC Connector	Owner's Manual
AC Adaptor #AD260 or 15-06T	Antenna
BC-260	Mobile Mounting Kit

PLEASE CAREFULLY READ THIS OWNER'S MANUAL BEFORE
ATTEMPTING INSTALLATION OR OPERATION.

General Description

Your Bearcat 260 Mobile Scanner was designed with law enforcement cooperation to provide the ultimate in mobile scanning. Its uniquely shaped metal case allows for either hump or under dash mounting. It operates from a standard automotive 12V dc power source.

A bright green fluorescent display is used to provide high visibility during the day. At night, even the keyboard can be easily read. Each key is lighted by an electro-luminescent panel of the type used in modern aviation equipment. In addition, an audible tone provides the operator with instant confirmation that a depressed key has been recognized. Three watts of audio power give your BC 260 the punch it needs to be heard in high noise environments.

In addition to its unique mobile features, your Bearcat 260 provides eight bands and sixteen channel coverage with memory programming of the channels in any combination of bands and frequencies. Other features include Patented Track Tuning for optimum reception, a priority channel and a special key for weather bulletins.

Safety Precautions

Although your Bearcat 260 is an Underwriters Laboratories listed electrical device, the following safety precautions should be observed:

- Never allow the radio to become wet.
- Never set liquids on or near the radio.
- Do not tamper with the internal circuitry.

Do not operate the radio near water.

Although designed for 12V dc power, the Bearcat 260 can be operated with the AC adaptor provided. The AC adaptor provided with your BC 260 was designed especially for this radio. Use of any other adaptor could create a safety hazard or damage the unit. When using the AC adaptor, never operate the unit outdoors, in a bathroom, in a wet basement or garage, or near a kitchen sink.

Safety Instructions

Read the Owner's Manual and all other attached information carefully before operating the scanner. Observe all of the safety precautions and safety instructions. Save all information for future reference.

- The scanner should be operated only by the power sources described in this manual.
- The scanner should be mounted so it will not interfere with the vehicle operating controls.
- The scanner should not be mounted directly in front of the vehicle heater outlet. If this type of location is unavoidable, the heater outlet must be directed away from the unit.
- If the scanner is used with the AC adaptor, the adaptor should be unplugged from the outlet when left unused for a long period of time.
- If the scanner is left unused for a long period of time, the memory battery should be removed.
- Damage Requiring Service - The scanner should be serviced by qualified service personnel when:
 - A. Objects have fallen on, or liquid has been spilled into the scanner.
 - B. The scanner has been exposed to rain.
 - C. The scanner is not operating normally or exhibits a marked change in performance.
 - D. The scanner has been dropped, or the enclosure damaged.

Cleaning: Clean the exterior of the scanner only, using a damp cloth. Always disconnect the AC adaptor when cleaning.

Electrical Connection (Mobile)

In certain states, the use of this radio **in a motor vehicle** to intercept "police radio signals" may require a permit from the local law enforcement agency.

The Bearcat 260 will operate in any vehicle or boat which has a 12-volt dc negative-ground electrical system.

The memory feature of the scanner requires uninterrupted power to operate properly. Thus two power leads to the unit are required for normal operation: one lead that turns the radio off when the ignition switch is off, and another lead that has 12 volts on it all of the time. The power cord (provided) has three large wires: BLACK (ground), RED (switched power) and ORANGE (uninterrupted power for the memory feature). The RED and ORANGE wires are fused with 2-amp fuses. (Electra Part No. MA37602, or any 250 volt, 2-amp, 3 AG fuse).

If the scanner is to receive power only when the ignition switch is on or in the accessory position, connect the RED wire to a terminal on the fuse block receiving power only under these conditions (see Figure 1).

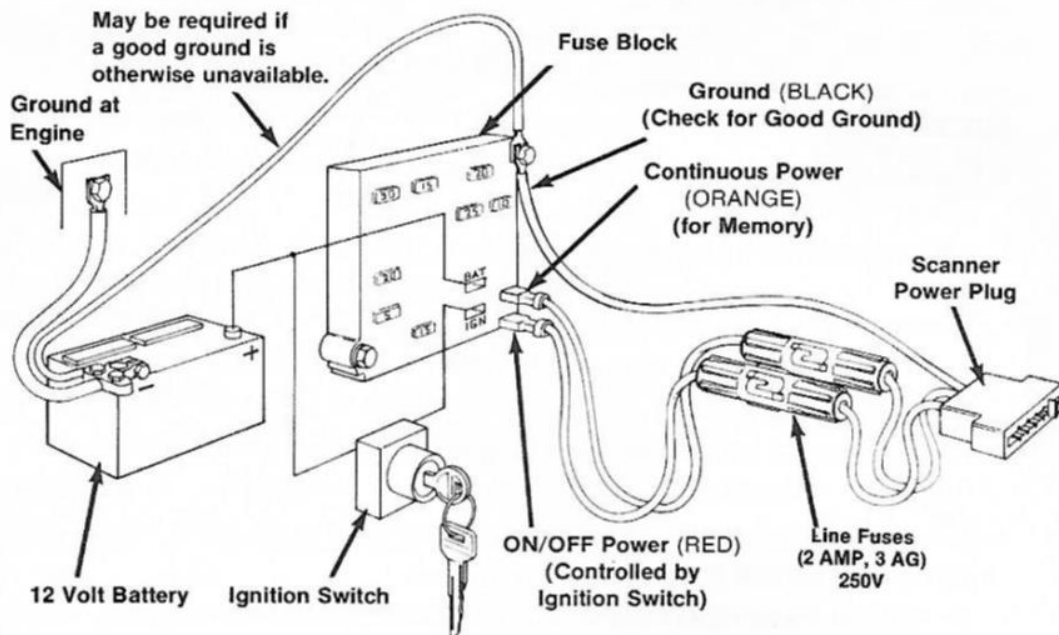


FIGURE 1
Normal Connections

If the scanner is to receive power independent of the ignition switch, connect the RED wire to a terminal on the fuse block receiving continuous power from the vehicle battery (see Figure 2). In both cases, the ORANGE wire should be connected to the fuse block on a terminal receiving continuous, unswitched power.

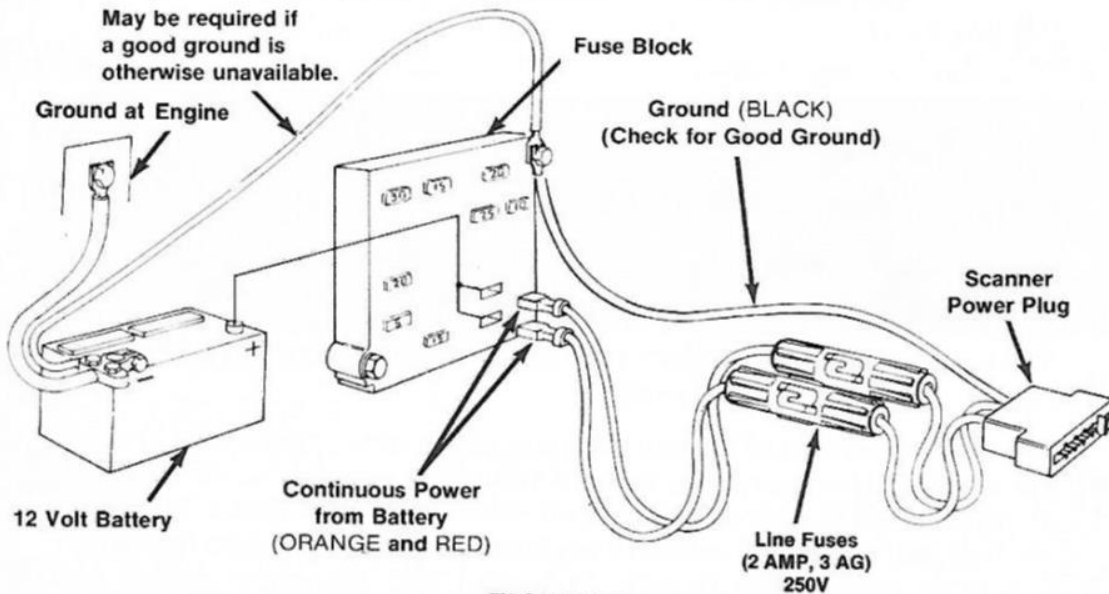


FIGURE 2
Connections for Operation
Independent of the
Ignition Switch

Connect the BLACK (ground) wire to a solid metal ground at the fuse block or any other solid metal structure of the vehicle. If the scanner is being installed in a boat, connect the BLACK wire to a ground terminal, ground wire or to the battery post (see Figure 3).

NOTE: If the wires are accidentally connected in reverse or to a positive ground system, an internal diode protects the scanner from damage.

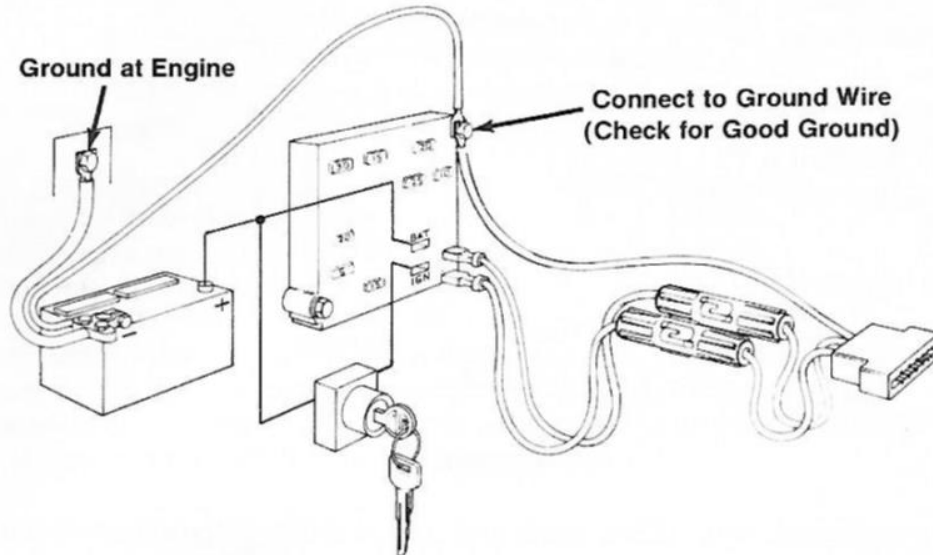


FIGURE 3

Electrical Connection (AC-Adaptor) AD260 or 15-06T

The Bearcat 260 will also operate with an adaptor. Plug the adaptor into a standard 117V-ac outlet. Connect the adaptor power lead into the scanner (see Figure 4). Remember to observe safety precautions and instructions when using the AC adaptor.

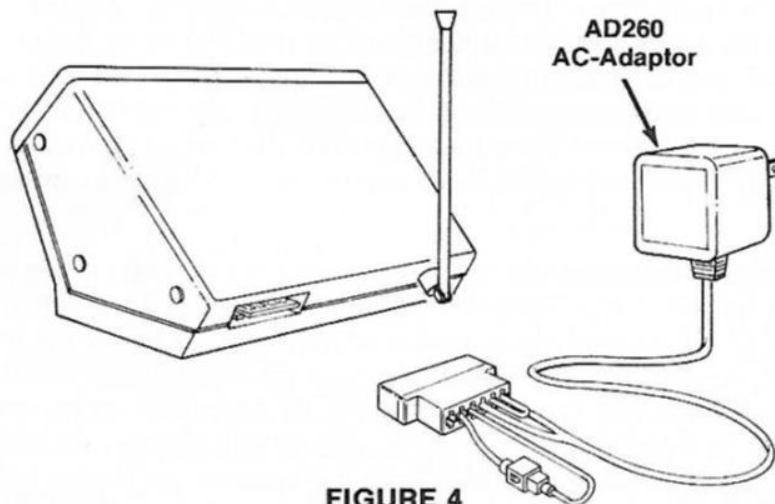


FIGURE 4

Mounting (Mobile)

The Bearcat 260 can be mounted in any conventional position without affecting unit performance. The scanner, however, should not be mounted directly in front of the vehicle heater outlet. If this type of mounting location cannot be avoided, the heater outlet must be directed away from the unit (see Figure 5).

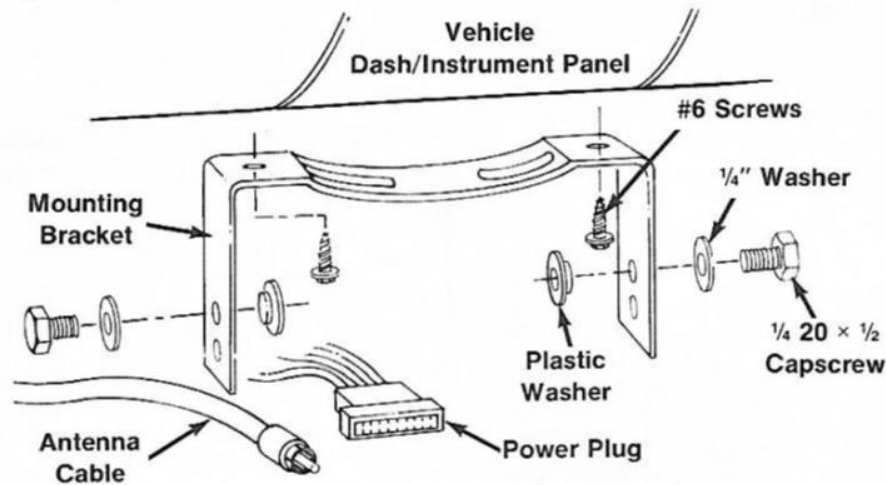


FIGURE 5

Determine the routing of the power and coaxial cables to the mounting position. Attach the mobile mounting bracket to the scanner. Position the scanner in the desired mounting location. Mark the mounting holes with a pencil or sharp instrument. Drill the two mounting holes using a 7/64 drill bit.

Remove the bracket from the scanner and attach it to the vehicle with the two #6 self-tapping screws (provided). Mount the scanner to the bracket and connect the electrical and antenna cables.

Antenna (Mobile)

In a mobile application, the Bearcat 260 will require an external vehicle antenna. Use a mobile antenna designed for multi-band coverage. A standard automotive radio antenna extended to approximately 18 inches can be used, but may not produce optimum reception. For maximum effectiveness, the external antenna should be fed with low loss 50 ohm coaxial such as RG58 foam. Regular RG58/A-AU can be used but may cause some signal loss.

Ideally, the antenna should be mounted directly in the center of the vehicle's roof. The radiation and reception pattern of a vehicular antenna always conforms to the ground plane (metal shape) located below the antenna. A roof mounted antenna provides virtually an omnidirectional pattern. If the antenna was mounted on the left rear fender, then best reception would occur from the right front fender of the vehicle, with greatly reduced reception from the left rear. Avoid mounting the antenna on a front fender, as ignition noise can limit reception.

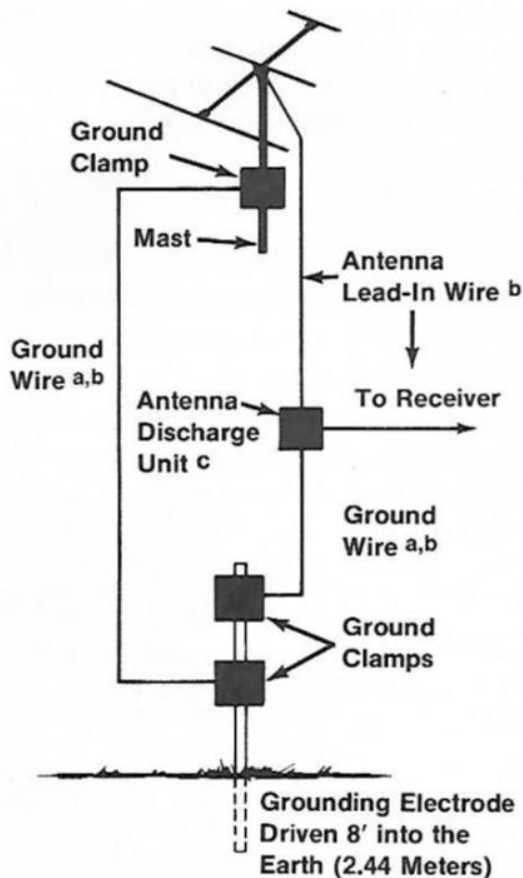
Antenna (Telescopic)

The telescopic antenna provided with your Bearcat 260 is recommended for most in-home monitoring. For weak signal reception or electrically noisy locations, an external antenna may be helpful.

Antenna (Optional External)

An external antenna may be helpful in fringe areas. Always use 50-70 ohm coaxial cable for lead-in. For lengths in excess of 50 feet, RG8AU low-loss, foam di-electric coax is recommended. Your scanner is equipped with a standard automotive type antenna connector. A mating plug (supplied) must be used.

An outside antenna (Figure 6) should be located away from power lines. The antenna system must be grounded to provide protection against voltage surges and build-up of static charges. The antenna system should be installed only by qualified service personnel. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1981 provides information with respect to proper grounding of the mast and supporting structure, grounding of lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



Example of Antenna Grounding as Per National Electrical Code Instructions

- a** Use No. 10 AWG (5.3mm²) copper, No. 8 AWG (8.4 mm²) aluminum or No. 17 AWG (1.0 mm²) copper clad steel or bronze wire, or larger as ground wire.
- b** Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22m) to 6 feet (1.83 m) apart.
- c** Mount antenna discharge unit as close as possible to where lead-in enters house.

FIGURE 6

External Speaker

Provision has been made to use an external speaker with the Bearcat 260. The external speaker connection is provided on both the AC and DC power cord plugs. To connect the external speaker, disconnect A and B below. Plug connector C into A (see Figure 7). When the external speaker is used, the unit speaker will not work.

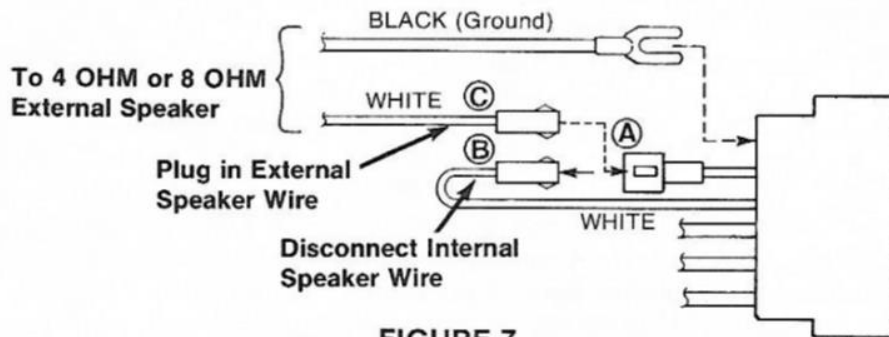


FIGURE 7
External Speaker Wiring

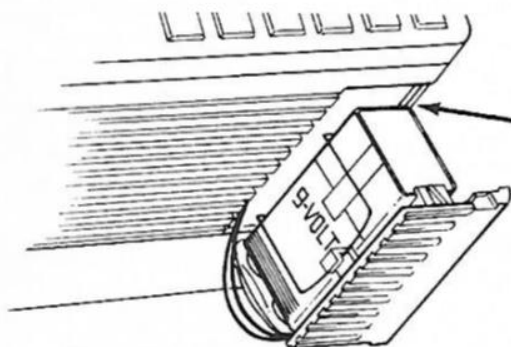
Memory Battery

Frequencies maintained in the Bearcat 260 memory are protected from loss in the event of electrical power interruption by a 9-volt alkaline battery. This battery back-up is used only when there is an interruption in electrical power. A *new* alkaline battery will provide several days of memory protection. If the radio is correctly wired, no 9V battery is required for mobile use.

Installing Memory Battery

Replace the battery at least once each year or immediately if corrosion is visible. If the scanner is going to be out of service for a long period of time or stored, remove the battery.

The memory battery is located in the front right hand side of the scanner case below the keyboard (see Figure 8). To install the battery, grip the front of the battery cover with your thumb, and slide it to the right. The battery is held to the back of the cover by a wire clip.



NOTE: In some units, a slotted screw located on this side of the cabinet must be rotated counterclockwise about 1/4 turn to remove a latch on the battery door.

FIGURE 8

Controls

1. **On-Off-Volume:** Turns the receiver power ON or OFF and varies the audio output level (See Figure 9).
2. **Squelch:** Eliminates the annoying “rushing” sound that is present between transmissions when no signal is being sent. Proper setting of this control keeps the receiver “quiet” and allows scanning or searching until a signal is received (see Figure 9).
3. **Dim Control Knob:** The brightness level of the digital display and the electro-luminescent keyboard is controlled by the dim control knob. Turning the knob clockwise increases the brightness level (see Fig. 9).

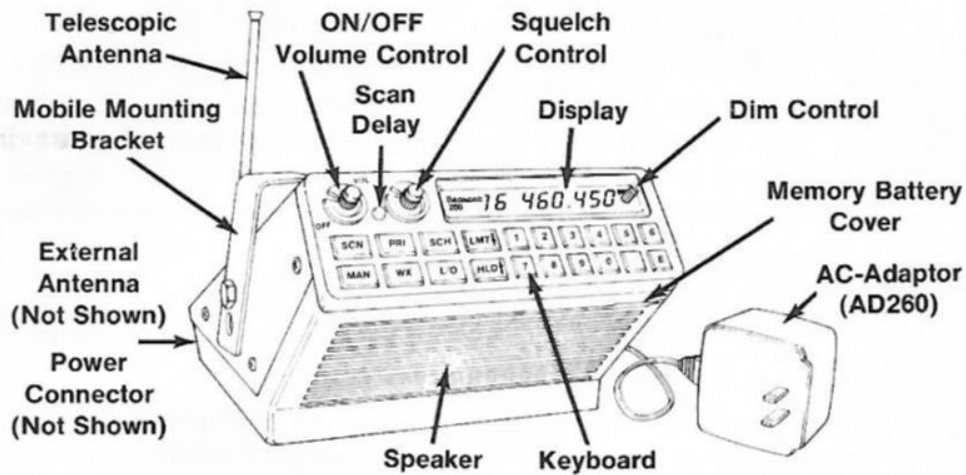


FIGURE 9

Display

Your Bearcat 260 has an 8-digit fluorescent display which indicates the frequency presently being monitored, channel number and program status (see Figure 10). All of the functions of the display will be discussed in detail, later in the Programming section.

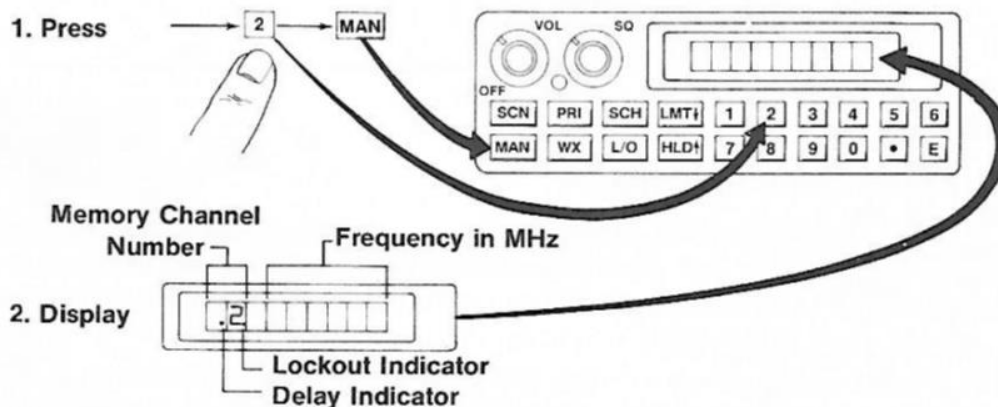



FIGURE 10

Program Keys

Numeric keys **0** through **9** and **■** are used to program the frequencies into your scanner. **E** enters frequencies into the 16 memory channels for scanning.

Operation Keys

- | | |
|---|--|
| PRI | The Priority key samples Channel 1 every two seconds regardless of other operational settings. Priority function will be retained in memory. |
| WX | The Weather key searches all seven NOAA weather frequencies until locking on the one actively broadcasting in your area. |
| LMT↓ | The Limit key enters two selected frequencies as upper and lower search limits. Also, when receiver is stopped on a signal in the search mode, LMT↓ permits manual searching lower in frequency, one frequency at a time. Search limits will be retained in memory. |
| SCH | The Search key starts search operation. |
| HLD↑ | The Hold key stops search on a frequency. It also permits manual searching higher in frequency. |
| L/O | The Lockout key locks out reception of signals on any selected channels during scanning. Lockout is retained in memory. |
| SCN | The Scan key starts scan of all memory channels that are not locked out. |
| MAN | The Manual key stops scan or search. It steps scanner individually through all channels. Also permits Direct Channel Access. |
| 
Delay | The Delay key provides a 2 second delay on any channel to receive a reply transmission on the same frequency before resuming search or scan. Delay is retained in memory. |

Operating the Scanner

The Bearcat 260 has 16 memory channels, each of which can be programmed to store one frequency. When **SCN** is pressed, each of the programmed frequencies will be sampled in sequence, however, locked out channels will be skipped.

In each programming example, the keys to be pressed are listed in sequence after the word "PRESS" (See Fig. 10). After the word "Display", will be an illustration of the actual displayed data. (See Figure 10). Follow the examples carefully, and programming will be easy.

Turn the unit ON by rotating the ON-OFF-Volume switch clockwise. Press **MAN** key and adjust the SQUELCH control clockwise until you hear background noise; then turn it back counterclockwise until the noise disappears.

If you know the exact frequencies you wish to Scan, proceed with "Programming". If you do not know the frequencies of the agencies (i.e., police, fire, weather, etc.) you wish to scan, obtain a listing from your dealer or by calling Betty Bearcat at 1-317-894-1230.

Programming

To enter a frequency, you must first select a channel. Start with Channel 2, as Channel 1 is the Priority channel and you will want to save it for the most used frequency (see Priority).

Example: To program 162.550 MHz into channel (2):

PRESS: **2** **MAN** (This puts the scanner on channel 2)

PRESS: **1** **6** **2** **.** **5** **5** **E**

Display: 2 1 6 2 . 5 5 0

(Final zero to the right of the decimal will enter automatically.)

PRESS: **3** **MAN** (This puts the scanner on channel 3.)

PRESS: **4** **7** **1** **.** **2** **3** **7** **E**

Display: 3 4 7 1 . 2 3 7

Repeat this step until all desired channels have been programmed. If you attempt to enter an invalid or out-of-range frequency, "ERROR" will be displayed. If this happens, simply enter the correct frequency. If you make an error while entering a frequency, press the decimal key **.** twice and begin again. You may omit the decimal point on VHF high band (138-174 MHz) and UHF (406-512 MHz) frequencies. Your Bearcat 260 has been designed to enter this automatically. On low band (30-50 MHz) you must press the decimal point key.

Search

Your Bearcat 260 will search for unknown signals between two frequency limits in the same band (30-50 MHz, 138-174MHz, or 406-512 MHz). The Frequency Allocation listing in the back of the manual will give you an indication of what you might expect to find in the various bands and frequency ranges. To SEARCH, enter the search limits in any sequence, making sure they are in the same band as shown above.

Example: To Search between 152.150 and 155.575 on Channel 2:

PRESS:	2	MAN	(This puts the radio on channel 2.)					
PRESS:	1	5	2	.	1	5	LMT ↓	
Display:	2 152.150							
	(Final zero to the right of the decimal will enter automatically.)							
PRESS:	1	5	5	.	5	7	5	LMT ↓
Display:	2 155.575							
PRESS:	SCH							

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

During your search, record (on paper) the frequency numbers you wish to retain as you identify them. Later you can program these individual frequencies into memory channels, or press **E** and the frequency will be programmed into the indicated channel.

To remain on a frequency after the signal goes off the air:

PRESS:	HLDA ↑
	You may now press HLDA ↑ to step higher in frequency which will sometimes produce clearer reception.
	You may also press LMT ↓ to step lower in frequency, again, to improve reception or just to select a new frequency. If E is pressed, the frequency in the display will be entered into the memory channel being displayed.

To resume searching within the same limits:

PRESS:	SCH
--------	------------

Manual Step-Search

Your Bearcat 260 has been provided with the ability to be stepped, one frequency at a time, either up or down throughout its search range. This feature is helpful in tuning in a frequency or for stepping to any new frequency within search limits.

To Step-Search while in search mode:

PRESS: **HLD**▲
PRESS: **HLD**▲ repeatedly to step upward to the desired higher frequency.

Or:

PRESS: **HLD**▲
PRESS: **LMT**▼ repeatedly to step downward to the desired lower frequency.

Normal Search will not be resumed until **SCH** is pressed.

Manual Channel Selection

If you wish to select a specific channel to monitor, two methods are provided:

PRESS: **MAN** repeatedly until the desired channel number appears.

Or, Direct Channel Access:

PRESS: **CHANNEL NUMBER** **MAN**

Lockout

There will be times that you wish to skip over certain programmed channels while scanning. Any number of channels may be individually locked out, as shown in the following example. In this case, channel 4 is being locked out.

PRESS:	<input type="text" value="4"/>	<input type="text" value="MAN"/>
PRESS:	<input type="text" value="L/O"/>	
Display:	4 . 1 6 2 . 5 5 0	

A DOT will appear just to the right of the Channel number in the display. This indicates that the channel is locked out and will be skipped during scan.

To remove lockout, repeat the steps given above.

Lockout on that channel will be removed and the DOT in the display will disappear.

Scan Delay

Your scanner is equipped with built-in Delay circuitry which adds a two-second pause at the end of every transmission before resuming the Scan cycle. This is useful in preventing the continuation of scanning when both sides of a conversation are transmitted on the same frequency and there is only a slight pause between replies.

Example: To program Delay on Channel 1, select Channel 1, then:

PRESS:	<input type="text" value="DELAY"/>
Display:	. 1 1 6 2 . 5 5 0

A DOT will appear in the first space of the display indicating a delay for that channel.

To remove Delay, simply repeat the process described above. Delay on that channel will be removed and the DOT in the display will disappear.

Priority

It is often desirable to be alerted to a transmission occurring on a channel other than that to which you are listening. When enabled, the Priority feature quickly samples the frequency which has been entered into Channel 1, once every 2 seconds.

If a signal is detected on the priority frequency, (Channel 1) when sampled, the receiver will remain tuned in to it until the transmission ceases, at which time the scanner will revert to the previous mode of operation.

To activate the Priority function:

PRESS: **PRI**

(Note that the display will blink, showing a "P" in the left most position when the priority frequency is being sampled.)

To remove priority:

PRESS: **PRI** again.

NOTE: While a signal is being received on Channel 1 with priority selected, all keyboard commands will be ignored (except the priority key itself).

User Hints

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

1. Always remember to press the **E** key when programming a desired frequency.
2. When disconnecting the scanner from its power source, make sure it is turned off. If the scanner is to remain disconnected for more than a few minutes, battery life will be extended considerably by removing battery, then reinstalling just before power is restored. You may wish to record your programmed frequencies (on paper) before disconnecting the power and battery since memory will be lost.

3. When memory is lost, simply reprogram the proper frequencies. Memory loss will be indicated by the appearance of non-user-programmed frequencies in the display.
4. If the keyboard or display suddenly ceases working properly, the trouble may have been caused by a momentary loss of power. To reset, turn the radio off, disconnect main power and disconnect the battery. Then, reconnect the battery, restore power and resume operation.
5. In case of strong interfering noise or signals, it may be desirable to move the unit to a different location and under extreme conditions, reduce the length of the antenna.
6. When operating the keyboard, it is important to press firmly in the center of the key with the tip of your finger. An audible "chirp" will be heard when the key has been properly depressed.
7. When moving or shipping the radio, be sure to remove the telescoping antenna and the 9-volt battery to avoid damage to it or to the internal circuit assemblies.
8. If "ERROR" appears on the readout, you have entered an invalid frequency or attempted some other incorrect operation.

Birdies

All radios are subject to receiving undesired signals. If the Bearcat 260 stops during search mode and no sound is heard, simply press the **SCH** key one or more times to resume.

The following is a list of frequencies on which the scanner may stop searching.

LOW BAND VHF	HIGH BAND VHF	UHF/T BAND
34.500 MHz	146.000 MHz	457.600 MHz
36.200 MHz	146.405 MHz	477.6125 MHz
37.850 MHz	155.600 MHz	478.400 MHz
40.800 MHz	166.395 MHz	493.800 MHz
41.600 MHz	167.200 MHz	500.000 MHz
		511.1875 MHz

NOTE: Environmental sources of interference such as power line noise, a television set or other electrical appliances may generate signals that create the same effect. Moving the scanner may eliminate such interference.

Trouble Checks

1. Scanner is not working properly.
 - A. Is radio plugged in and receiving power?
 - B. Is OFF-ON-VOLUME Switch ON?
 - C. Go through the complete section on programming all functions.
2. Signal is weak or distorted.
 - A. Check antenna—adjust height.
 - B. Go through all the checks in number 1.
3. The memory is lost after a power failure.
 - A. Replace battery.

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 properly connected and getting power (if mobile installation, also check fuses).
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 adaptor.*
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.

NOTES

CH. 1	Burlington Police	482.7125
CH. 2	Burlington Police	482.8625
CH. 3	Burlington Fire	154.310
CH. 4	Burlington Ch. 5	485.2875
CH. 5	Caston	155.730
CH. 6	State Police (Middleboro)	42.34
CH. 7	State Police	44.74
CH. 8	Bridgewater	482.6125
CH. 9	Southgate	482.9825
CH. 10	Mansfield	33.920
CH. 11		
CH. 12		
CH. 13		
CH. 14		
CH. 15		
CH. 16		

ver. 1 unidirectional
510-DTE

Local Services

Service	Frequency

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.	43.22 - 43.68	Mob. Tel. & Page.
State Police	St. P.D.	43.70 - 44.60	Trucks, Bus.
Fire Department	F.D.	44.62 - 45.06	St. P.D. & Fors. Cons.
Special Emergency	Sp. Emer.	45.08 - 45.66	P.D.
Highway Maintenance	Hwy.	45.68 - 46.04	P.D., Hwy., Sp. Emer.
Forestry-Conservation	Fors. Cons.	46.06 - 46.50	F.D.
Government.....	Govt.	46.52 - 46.58	P.D., L. Govt.
Local Government	L. Govt.	46.60 - 47.00	Govt.
Business Radio	Bus.	47.02 - 47.40	St. Hwy.
Manufacturers	Mfg.	47.42 -	Red Cross
Broadcast Remote	BC. R.	47.44 - 47.68	Sp. Ind., Sp. Emer.
Mobile Telephone	Mob. Tel.	47.70 - 48.54	Power
Radio Paging	Page.	48.56 - 49.58	L. Govt., Pet.
Special Industrial	Sp. Ind.	49.60 - 50.00	Govt.
Motion Picture	Mot. P.		
Power Utilities	Power		
Petroleum	Pet.		
Forest Products	For. Prod.		
Railroad	R.R.		
Automobile Emergency	Auto. Emer.		
Red Cross			
U.S. Weather Bureau	U.S.W.B.		
U.S. Coastal & Geodetic Survey	U.S.C.G.S.		
National Parks	Nat. Pk.		
Indian Affairs			
Bureau of Reclamation	Bur. Recl.		
Department of Agriculture & Forestry	Agr. & For.		
Land Transportation	Land Tr.		

30-50 MHz Band

30.01 - 30.56	Govt.
30.56 - 30.62	Sp. Ind.
30.66 - 31.24	Ind. (Pet. Fors. Cons. Bus., For. Prod.)
31.26 - 31.98	Sp. Ind., Fors. Cons.
32.00 - 33.00	Govt.
33.02 - 33.16	Hwy., Sp. Emer., Bus.
33.18 - 33.38	Pet.
33.42 - 33.98	F.D.
34.00 - 35.00	Govt.
35.02 - 35.18	Bus.
35.22 - 35.66	Mob. Tel. & Page.
35.70 - 35.73	Bus.
35.74 - 35.98	Sp. Ind. & Bus.
36.00 - 37.00	Govt.
37.02 - 37.44	F.D., P.D. & L. Govt.
37.45 - 37.86	Power
37.90 - 37.98	Hwy. & Sp. Emer.
38.00 - 39.00	Govt.
39.02 - 39.98	P.D., L. Govt.
40.00 - 42.00	Govt.
42.02 - 42.94	St. P.D.
42.96 - 43.18	Sp. Ind. & Bus.

146 - 174 MHz Band

146.000 - 148.000	HAM
148.010	MARS
148.150	CAP
148.155 - 148.250	MIL
148.290 - 150.750	USN
150.815 - 150.995	Bus.
151.010 - 151.130	Hwy.
151.145 - 151.475	Fors. Cons.
151.505 - 151.595	Sp. Ind.
151.625 - 151.955	Bus.
151.985 - 152.240	Mob. Tel. (RCC)
152.270 - 152.450	Taxi
152.480 - 152.840	Mob. Tel. & Page
152.870 - 153.020	Sp. Ind., Mot. P
153.050 - 153.440	Pet., For. Prod.
153.470 - 153.710	Power
153.740 - 154.115	F.D., 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	L. Govt., 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	Fors. 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.

Frequency Allocations (Cont.)

163.275	U.S.W.B.	470.0125 - 470.2875	Domestic Public (Base, Mob.)
163.388 - 163.538	MIL	470.3125 - 471.1375	Public Safety
163.825 - 163.975	Govt.	471.1675 - 471.2875	Reserve Pool A
164.025 - 164.075	U.S.C.G.S.	471.3125 - 471.4125	Pwr., Tel. Maint.
164.175 - 165.188	Bur. Recl., Nat. Pk., Govt., Agr. & For.	471.4375 - 471.6375	P.D., Spec. Ind.
169.300	F.A.A.	471.6625 - 471.7875	Reserve Pool B
169.450 - 169.725	Nat. Pk., Ind., Data	471.8125 - 472.3375	Bus.
170.150	F.D., BC. R.	472.3625 - 472.4375	Taxi
170.200 - 170.220	U.S.C.G.S.	472.4675 - 472.7875	R.R., Motor Carrier, Auto Emer.
170.225 - 170.325	Ind., Land Tr.	472.8125 - 472.9875	Pet., For. Prod., Mfg.
170.425 - 170.575	Fors. Cons.	473.0125 - 473.2875	Domestic Public
170.975 - 171.250	Govt. Sp. Ind. & Land Tr.	473.3125 - 474.1375	Public Safety
171.388 - 172.725	Bur. Recl., Fors. Cons., Ind., Dept. Ag. & For., Govt.	474.1625 - 474.2875	Reserve Pool A
172.775	Nat. Pk.	474.3125 - 474.4125	Pwr., Tel., Maint.
173.025	U.S.W.B.	474.4375 - 474.6375	Spec. Ind. (Mobile)
173.075	U.S.C.G.S.	474.6625 - 474.7875	Reserve Pool B
173.204 - 173.375	Press Relay, Mot. P., Pet., Bur. Recl.	474.8125 - 475.3375	Bus.

420 - 512 MHz Band

420.000 - 450.000	HAM	474.8125 - 475.3375	Bus.
450.050 - 450.950	Remote Br.	475.3625 - 475.4375	Taxi
451.000 - 451.150	Util.	475.4625 - 475.7875	R.R., Motor Carrier, Auto Emer.
451.175 - 451.750	For. Prod., Pet., Pwr., Tel. Maint.	475.8125 - 475.9875	Pet., For. Prod., Mfg.
451.775 - 451.975	Spec. Ind.		
452.000 - 452.500	Taxi, Motor carrier, & R.R.		
452.525 - 452.600	Auto Club		
452.625 - 452.975	BC. R., Motor Carrier & R.R.		
453.000 - 453.975	L. Govt., P.D., & F.D.		
454.000 - 454.975	Mob. Tel. & Page		
455.000 - 455.975	Remote Br.		
456.000 - 458.975	P.D., F.D. Ind., Land Tr.		
459.000 - 459.975	Mob. Tel., Page, & 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	Medical		
463.200 - 464.975	Bus.		
465.000 - 467.500	P.D., F.D. Sp. Ind., & Land Tr.		
467.5375 - 467.7375	C.B.		
467.7375 - 467.925	Pub. Safety, Ind., & Land Tr.		

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

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 6 MHz segment is allocated as shown here for channel 14 (470 - 476 MHz).

The same allocation pattern is repeated for each of the TV channels 14 through 20. For example, if channel 17 is assigned for communications in your area, "Taxi" would be 490.3625 to 490.4375 and 493.3625 to 493.4375 (corresponding to 472.3625 to 472.4375 and 475.3625 to 475.4375 above). Note that in the example, we added three T.V. channels (18 MHz to the channel 14 frequencies).

3/28/86

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 the 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 product is returned to our factory (address below) or to one of our authorized Service Centers, TRANSPORTATION CHARGES PREPAID. Products returned to our factory or authorized Service Center must be accompanied by a copy of 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 product 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 or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Uniden Corp

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 will be able to go to a small claims court, a state court, or a federal district court.

8707 NO-NO Cost RVD

*Indianapolis Indiana
46250*

Bearcat products have been acquired by

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Bearcat®

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