

VOLVO

Original Tillbehör · Genuine Accessories
Accessoires d'origine · Original Zubehör

CB Radio



OWNER'S MANUAL

GENERAL INFORMATION

This VOLVO CB Radio has been specifically designed for your Volvo. Like your Volvo, it is a dependable high-quality unit. If you want to get the most out of it, you should follow these instructions carefully.

F.C.C. REQUIREMENTS

IMPORTANT

This transceiver is designed for use under FCC Rules and Regulations, Vol. VI, Part 95. You are prohibited from operating this transceiver until you obtain your Citizens Band Class D License. This license is obtained by filing Application Form 505 (supplied with the unit) with the FCC. If you are an individual, you may begin operating your CB station right away with a Temporary Permit that you prepare yourself by filling out an FCC Form 555-B (included with the unit) until you receive your license. You are also required to read and understand Part 95 Sub-part D (supplied with the unit) of the FCC Rules and Regulations and all licensees are required to maintain an up-to-date copy of the rules.

Adjustments to the transmitter circuit of the transceiver may be made only by, or under the supervision of, a person holding a current commercial first or second class radio operator license. Replacement or substitution of crystals or other components must be made only with parts supplied by VOLVO OF AMERICA Corporation, Rockleigh Industrial Park, Rockleigh, N.J. 07647.



CONTROL FUNCTIONS:

1. SWITCH/VOLUME CONTROL

The Switch/Volume Control operates conventionally; turn the knob clockwise to turn on and to increase volume.

2. CB/PA SWITCH

When this switch is in the "CB" position, you can transmit and receive on the selected channel. In this mode digital readout indicates the channel number. In the "PA" position, the display changes to "PA", and your transceiver is converted to a public address system using a "PA" speaker.

3. BUSY/NORMAL/VACANT SWITCH

This switch is used for AUTO SEARCH during CB receiving mode. M SCAN, ALL SCAN, UP and DN key is used for AUTO SEARCH. When this switch is in the "B" or "V" position, AUTO SEARCH stops at busy or at vacant channel respectively, and starts again automatically about 10 seconds after the channel turn to vacant or busy. If you want to use the channel, you should push "STOP" key. Signal strength that stops AUTO SEARCH can be set by the Squelch Control.

4. SQUELCH CONTROL

The Squelch Control is used during CB receiving mode to reduce excessive noise (such as high line interference, ignition noise, etc.). TO OPERATE: Turn control fully counterclockwise then increase volume until noise or a signal is heard. While only noise is present, turn Squelch Control clockwise until the noise disappears. The control is also used to set the level that stops AUTO SEARCH. CONTROL MUST BE TURNED OFF WHEN RECEIVING WEAK STATIONS.

5. PUSH TO TALK BUTTON

Push in "on" button to transmit and release to receive when radio is set for CB operation. You must also push the button to speak in PA operation. In transmit mode, you cannot change the channel.

6. CHANNEL LOCK/NORMAL SWITCH

This key is used to prevent changing the channel by mistake. When the switch is in the "LOCK" position, the channel cannot be changed.

7. CHANNEL UP KEY

This key advances the channel that the radio is tuned to. If you keep on pushing the key, channels advance 8 channels per second.

8. CHANNEL DOWN KEY

Same as "CHANNEL UP" key but reverses the channel advance.

9. EMERGENCY CH.9 KEY

You can set the radio to emergency channel (CH.9) at once.

10. ALL SCAN KEY

This key is used to find busy or vacant channels or to advance the channel without continuously pushing an UP or DOWN key. When the key is pushed, the channel is advanced 4 channels per second in a continuous cycle. To stop scanning, push "STOP" key.

11. MEMORY SCAN KEY

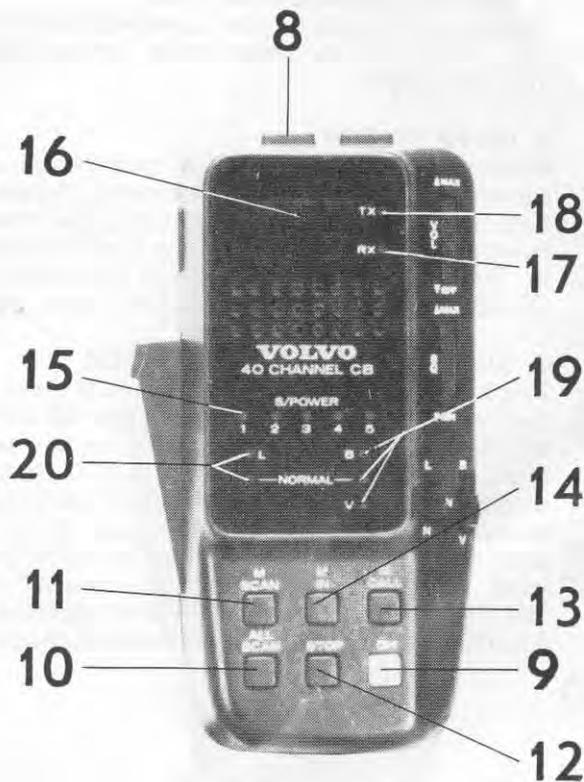
Same as "ALL SCAN KEY" but scan only 5 memory channels.

12. SCAN STOP KEY

Push to stop all scan and memory scan.

13. MEMORY CALL KEY

This radio has 5 memories to store channel numbers. This key selects one of the memories. Depressing this key, the radio is set to one of the channels that are stored in the memory. 5 memories are called in turn by pushing the key.



14. MEMORY IN KEY

Press this key to store the channel which is being displayed in the memory. When the unit is initially turned on, channel 1 is automatically stored in all of the memories. (See General Note 3 for permanent memory.) TO OPERATE: You must select memory first by depressing the "MEMORY CALL" key. Then you must set the channel by using "UP", "DOWN", "CH9", or "ALL SCAN" and "STOP" key. Last push "MEMORY IN" key and the displayed channel is stored. EXAMPLE: Assuming channels 1, 10, 20, 30 and 40 are stored in the memories respectively. Depressing "MEMORY CALL" key, channel 1 is called from the memory and is displayed. Again depressing the key, channel 10 is called. Set the channel to 18 using "ALL SCAN" and "STOP" key. Press the "MEMORY IN" key, channel 18 is now stored in the memory instead of channel 10. Push "MEMORY CALL" key again, channel 20 is called. Depressing "UP" and "MEMORY IN" key, channel 21 is stored. Now channels 1, 18, 21, 30 and 40 are stored in the memories.

15. S/RF METER

This unit is equipped with an easy-to-read dual function LED array level meter. In the CB reception mode the meter indicates the level of incoming signals. In the transmission mode, the meter indicates relative power output.

16. CHANNEL INDICATOR LIGHT

This indicates the selected channel number in the CB mode and indicates "PA" in the public address mode.

17. RECEIVE INDICATOR LIGHT

Illuminates when receiving.

18. TRANSMIT INDICATOR LIGHT

Illuminates when transmitting.

19. BUSY/NORMAL/VACANT INDICATOR LIGHT

This indicates "BUSY", "NORMAL", "VACANT" in accordance with BUSY/NORMAL/VACANT switch.

20. CHANNEL LOCK NORMAL INDICATOR LIGHT

This indicates "LOCK", "NORMAL" in accordance with CHANNEL LOCK switch.

GENERAL NOTES

1. FUSE

A spare fuse can be obtained from your VOLVO dealer.

2. ANTENNA

Your VOLVO is equipped with a broadcast antenna which should not be utilized. However, a high quality VOLVO CB antenna should be installed which, with proper care, will provide excellent mobile performance. This antenna has a flexible mast which can be easily removed and placed inside the car when necessary (car washes, long term parking, etc.).

Never operate the CB portion of the radio unless the antenna is in place and fully extended, as operating the transmitter without a proper load can cause serious damage.

For optimum transmitter performance the CB antenna mast should be completely vertical. The angle of the antenna may be adjusted at the base if it should become necessary. If the antenna mast is bent or damaged it can and should be replaced by obtaining a new mast from your VOLVO dealer. If the mast is replaced, the tip length must be adjusted after installation on the vehicle using a standing wave ratio (SWR) meter to obtain optimum performance. Unless the vehicle owner has the proper equipment and is familiar with this procedure, this operation should be carried out by a VOLVO dealer or qualified

radio shop. The VOLVO CB antenna (properly adjusted) provides performance equal to or better than most CB antennas of similar length because of its top loaded design. Only a full quarterwave whip antenna can be expected to provide a performance improvement but the owner should carefully consider the disadvantages such as appearance and length before deciding on such a substitution.

3. MEMORY BACK-UP

To prevent them from being extinguished the channels are stored in the memories. You should connect memory-back-up power lead to fuse position. By doing this, if the unit is turned off but not disconnected, the memory will continue to keep the channels that have been stored. The unit will automatically return to the last channel used, when the radio is turned on.

WARNING :

If you are going to leave for a long period of time, you should disconnect the microphone to prevent draining the car's battery.

WARRANTY

Volvo Radios are warranted for 12 months from the date of purchase and/or installation. The warranty covers the repair or exchange of any radio component or material. If service becomes necessary, contact your nearest Volvo dealer.

SPECIFICATIONS:

GENERAL:

Circuitry: 28 Silicon Transistors,
1 FET, 10 ICs
Frequency Control: Phase-Lock-Loop
Frequency Synthesizing
System
Power Source: DC 12 Volts
Microphone: 1 k ohm Electret Condenser
Microphone

CB RECEIVER:

Receiving System: Dual Conversion System
Sensitivity: $0.7 \mu\text{V}$ for 10 dB S/N
Selectivity: More than 50 dB at
 $\pm 10 \text{ KHz}$
AGC Figure of Merit: More than 30 dB
Audio Output: 4 watts at 10% distortion
Squelch Range: $1.0 \mu\text{V}$ to $300 \mu\text{V}$
IF 1st: 10.695 MHz
2nd: 455 KHz

CB TRANSMITTER:

Modulation System: Class B
RF Output Power (at 13.8 V) 4 watts (FCC
Maximum)
Frequency Tolerance: $\pm 0.005\%$
Spurious Emission: -60 dB

SPACE REQUIREMENTS:

Height: 45 mm ($1\frac{3}{4}$ ")
Width: 180 mm ($7\frac{1}{8}$ ")
Depth: 196 mm ($7\frac{3}{4}$ ")

TO BE COMPLETED BY THE DEALER:

Radio Model No. _____

Serial No. _____

Purchase Date _____

Owner's Name _____

Address _____

City and State _____ Zip Code _____

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