

I'm not a robot



Owner's Manual	Alignment	Alignment Points	Voltage Chart (Very Early Version)	Voltage Chart	Circuit Theory Diagrams	Schematic Diagram (Very Early Version)	Schematic Diagram (TA7222AP Audio Amp Version)	Schematic Diagram (YD1022 Audio Amp Version)	PCB Layout (YD1022 Audio Amp Version)	Block Diagram		
Chassis Wiring	Mic Wiring	Stock 1- Shield 2- Audio 3- Transmit 4- Receive Astatic (4 wire)	1- Shield 2- White 3- Red 4- Black Astatic (6 wire)	1- Shield 2- White 3- Red 4- Black Yellow NC Daiwa EM-500 Cobra CA Series	1- Shield & Black 2- Red 3- White 4- Blue Galaxy DC-521S (4 wire)	1- Shield 2- Yellow 3- Red 4- Black Galaxy CB-660E1	1- Shield & Black 2- White 3- Red 4- Blue Sadelta	1- Shield 2- White 3- Brown 4- Green Turner	1- Shield & Red 2- White 3- Blue 4- Black Yellow NC	How to Use Your Contents Features		
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Codes33 Trademark Acknowledgement34 Cobra 25 LTD CLASSIC Features of This Product40 CB Radio Channels Heavy-Duty Dynamic Microphone Full 4 Watts AM RF Power Output Instant Channel 9 Front Panel 4-Pin Microphone Connector Switchable Adjustable Dynamike Boost Tactile Controls 9 Ft Microphone Cord RF Gain
Blanker 1 Installation	Installation Location	Mounting and Connection	Note The transceiver is held in the universal mounting bracket by two thumbscrews which allow for adjustment at a convenient angle. The bracket includes two selftapping screws and star washers. The mounting must be mechanically strong, conveniently located. Location Plan location of transceiver and microphone bracket before starting the installation. Select a location that is convenient for operation, yet does not interfere with the driver or passenger. The transceiver is usually mounted to the underside of the dash with the microphone bracket beside it. Mounting and Connection	1 Hold the radio with the mounting bracket in the exact desired location. If there is no interference, remove the bracket and use it as a template to mark the location for the mounting screws. 3 Connect the antenna cable plug to the receptacle marked "ANT" on the back of the unit. Note Before installing the CB radio, visually check the vehicle's battery connection to determine which terminal, positive or negative, is grounded (positive is the larger of the two) to the engine block (or chassis). A negatively grounded vehicle has its negative lead grounded to the chassis. Note In positive ground vehicles the red wire goes to the chassis and the black wire is connected to the ignition switch. 2 Drill the holes and secure the bracket. continued 32 Installation Note Connecting to an accessory fuse prevents the unit from being left on accidentally, and also permits operating the unit without running the engine. Note In positive ground vehicles the red wire goes to the chassis and the black wire is connected to the ignition switch. 4 In a negative grounded vehicle, connect the red lead of the DC power cord to an accessory 12 volt fuse. 6 Plug power cable into back of unit marked "Power". Be sure to observe polarity markings. 7 Mount the microphone bracket on the right side of the unit (driver's left) using two screws supplied. Bracket should be placed under the dash so microphone is readily accessible. Installation 5 Connect the black lead to the negative side of the vehicle. This is usually the chassis. Any convenient location with a good electrical contact (remove paint) may be used. Attach the 4-pin microphone cable to 8 receptacle on the front of the unit and install unit in bracket securely. 54							
Antennas	Ignition Noise Interference	CB Antenna	Note For optimum performance in passenger cars the ideal antenna location is on the center of the roof. Second choice is on the center of the trunk. Note Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis. Note 3-way Combination Antennas are also available which allow operation of all three bands (AM-FM & CB), using a single antenna. However, this type of antenna usually results in less than normal transmit and receive range when compared to a standard-type "Single Band" CB antenna. Call 773.889.3087 for further information. CB Antenna Since the maximum allowable power output of the transmitter is limited by the FCC, the antenna is critical in affecting transmission distance. Only a properly matched antenna system will allow maximum power output. Cobra loaded type antenna models are highly recommended for most installations. Consult your Cobra dealer for further details, or call 773.889.3087 and speak to a Cobra representative. 1 A standard antenna connector is provided on the transceiver for easy connection. Marine Installation The transceiver will not operate at maximum efficiency in a boat without a ground plate, (unless it has a steel hull). Before attempting installation, consult your dealer for information regarding an adequate grounding system and prevention of electrolysis between fittings in the hull and water. Use of a mobile receiver at low signal levels is normally limited by the presence of electrical noise. The primary source of noise in automobiles is from the alternator and ignition system. Typically, when signal level is adequate, the background noise does not present a serious problem. Also, when extremely low level signals are being received, the transceiver may be operated with the vehicle's engine turned off. The unit requires very little current and therefore will not significantly discharge the vehicle's battery. Even though the Cobra 25 LTD Classic has an automatic noise limiter, in some installations ignition interference may be high enough to make good communications impossible. Many possibilities exist and variations between vehicles require different solutions. Consult your COBRA dealer or a 2-way radio technician for help in locating the source of a severe noise. 6 7 Operation Operation Turning On Setting Channel Turning On Make sure the power cord, antenna and microphone are connected to their proper connectors before starting. 1 The CB/PA button should be in the CB position. Setting Channel Selector 1 Select one of forty channels and adjust volume. The selected channel is indicated by the LED readout directly above the channel selector knob Selector 2 Rotate the On/Off Volume knob clockwise to a normal listening level. 8 9 Operation Operation To Receive Selecting A Channel Note Switch to 9 (Emergency) for instant access to these channel. To Receive 1 Rotate the On/Off Volume knob clockwise the green RT/TX LED and channel display will be illuminated. Selecting A Channel S-Meter Swings proportionately to strength of incoming signal when receiving. S-Meter 1 Switch to NORMAL to select desired channel. 10 11 To tune your Cobra 25 LTD Classic, first ensure your antenna is correctly installed. Then, use the SWR meter: set the radio to channel 20, switch to SWR mode, and adjust the antenna length until the SWR meter shows a reading as close as possible to 1:1. AMC ALC AM POWER MOD Meter RF Meter AM Signal Meter SSB Sig Meter AM Squelch USB Freq LSB Freq AM Freq TX Freq Radio Model Matt Just the right parts and excellent customer service After searching extensively for a well designed antenna mounting bracket for my amateur (Ham) radio antenna, I came across a great mount at Right Channel Radios. It is the most discreet and easy to Hood Mount I have ever seen for my 2003 Chevy Tahoe. The fit and location are perfect! After finding the mounting bracket, I had thought I may have to modify the opening from 3/8" to 3/4" to accept an NMO antenna mount. However, I emailed Right Channel Radios and received a prompt reply from Pat Haggerty, who not only answered questions about my needs, but provided an option for an NMO coax cable which would fit the Hood Mount perfectly. I ordered them both and have just finished the installation. I couldn't be more pleased with the way it turned out. Excellent fitting, well made stainless steel mounting bracket and parts and a high quality NMO coax cable made for a great mount for my antenna. I would highly recommend Right Channel Radios!									